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TABLES RELATING TO RAYLEIGH SCATTERING OF LIGHT IN THE ATMOSPHERE (Numerical Solution of Chandrasekhar's Equations)

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FOREWORD

The tables given in this report were prepared by the National Bureau of Standards, Institute of Numerical Analysis, Los Angeles, California, as authorized under L.P. 701.

This report is an extension, on the infrared side, of the "Tables Relating to Rayleigh Scattering of Light in the Atmosphere," University of California at Los Angeles, Department of Meteorology, Scientific Report Number 3, Contract Number AF 19(122)-239. These tables present numerical solutions of the equations first derived by S. Chandrasekhar, Professor of Theoretical Astrophysics, University of Chicago, in his outstanding book "Radiative Transfer" Oxford at the Clarendon Press, 1950.

This report was reviewed for technical accuracy by Dr. F. E. Roach and Dr. Gertrude Blanch.

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ABSTRACT

The theory of molecular scattering of light in a plane-parallel atmosphere, presented in the simplest form by Lord Rayleigh, was recently extended in an ingenious way by Chandrasekhar to cover the process of multiple scattering and the effect of the reflection from the ground.

The computation of the intensity and polarization of the sky radiation by this theory requires the solution of four pairs of non-linear integral equations, obtained in the general case by successive iteration. For small values of the optical thickness τ ($\tau \leq 0.10$), the second approximation is an adequate approximation. The following tables present the result of computation based on the second approximation only. They contain the intensities in the direction perpendicular and parallel to the vertical plane through the zenith and the sun (sun's vertical) for different zenith distances along this plane and for different zenith distances of the sun.

CONTENTS

INTRODUCTION

All problems dealing with any type of radiation transfer through the atmosphere can be reduced to the problem of light scattering. During the interaction of the radiation with matter some part of the absorbed energy may reappear as radiation of the same wave length radiated from the matter in directions other than the incident radiation. This scattered radiation has different characteristics according to the physical properties of the matter. To evaluate quantitatively the character of the scattered radiation is, in general, a difficult task. In the special case when the scattering material is dielectrical, the dimensions of the scattering particles are small compared with the wave length of the radiation, and the radiation is not absorbed by the particles, the scattered radiation is described by a well-known law discovered by Lord Rayleigh. This type of scattering is usually named "Rayleigh" or "molecular" scattering. It is only for this case that an exact solution of the radiation transfer in a plane parallel atmosphere has been obtained.

In most problems the atmosphere can be considered to be plane-parallel illuminated by a parallel beam of unpolarized light, of the net flux (the rate of flow of radiant energy per unit frequency interval and per unit area normal to the incident direction) equal to πF_0. The net flux of the sun radiation is reduced during its passage through the atmosphere. At a level z above the ground the reduced flux is given by the equation

$$\pi F = \pi F_0 \exp(-\tau/\mu_0) \tag{1}$$

where πF_0 represents the flux at the upper limit of the atmosphere (extraterrestrial value), $\mu_0 = \cos\theta_0$, θ_0 being the zenith distance of the sun. The parameter τ, called optical thickness, depends upon the number of scattering centers (molecules), and their refractive indices as discussed in detail elsewhere (Ref. 1). Since τ increases with the distance from the upper limit of the atmosphere, it can be used instead of the vertical coordinate z. Furthermore, it depends upon the inverse fourth power of the wave length and thus determines for each level of the atmosphere the wave length of the monochromatic light, for which the result is valid.

The scattered radiation has, however, a completely different character. It is not a parallel radiation, since each scattering center becomes a source of a spherical wave around the center. Each point within the atmosphere is illuminated by scattered radiation from all directions, and its illumination can be measured by the rate of flow of the radiant energy through a cone, with its apex at the point and with the axis in any particular direction. The rate of flow is then proportional to the solid angle which the cone intercepts. The proportionality factor in this relationship, called the specific intensity or simply the intensity, is the quantity which must be determined for the specific problems that arise. The scattered radiation is in general polarized, i.e., the intensity has different values, in different directions, in a plane normal to the direction of observation. For a complete quantitative description of the scattered radiation, it is thus necessary to introduce, besides the intensity I, other parameters, defining the state of polarization of the radiation. This can be done most conveniently by defining the state of polarization by a set of three additional Stokes parameters, Q, U, V, the meaning of which is discussed in detail by Chandrasekhar (Ref. 2).

Computation of the intensity and of the polarization of the sky radiation is not a simple problem. It was made first by Lord Rayleigh, under a simplifying assumption of primary scattering only, when the scattering process of the light already scattered was neglected. The extension of his theory for the more realistic case of multiple scattering, when no restriction is applied to the scattering of the light scattered once or several times before, is connected with difficulties, considered unsurmountable not a long time ago. In 1947 Chandrasekhar succeeded in reducing the exact solution of the problem to the solution of four pairs of non-linear integral equations, allowing a solution by iteration. The computation of the intensity and the polarization parameters according to the method described in detail by Chandrasekhar (Ref. 2) was performed for three values of the optical thickness (τ = 0.15, 0.25 and 1.00). These results were published in Ref. 3. The following tables represent the continuation of the computation for smaller values of the optical thickness, corresponding to the red and infrared part of the spectrum for normal conditions at the sea level.

For small τ, as predicted by the theory, the computation can be simplified because of the fact that the effect of multiple scattering is decreasing and the second approximation, corresponding to the secondary scattering, is so close to the exact value, that further iteration is not necessary for all practical purposes. The first iteration of the above-mentioned integral equations leads to analytical expressions for the fundamental functions $\gamma^{(i)}$ and $Y^{(i)}$ (i = 1,2,3,4), given in Ref. 2 and discussed in the following

section. The values of these functions for $\tau = 0.10$, 0.05, 0.02, and 0.01 are tabulated in Table 1 as functions of μ, corresponding to different zenith distances. In further computations their moments of two different kinds are needed; these are tabulated in Table 2.

The intensity and the polarization of the sky radiation is in general different in different directions, thus varying with the zenith distance and with the azimuth of the direction of observation. In the computation the terms dependent on the azimuth and the terms independent of the azimuth are separated. The terms dependent on the azimuth include the first two pairs of the X and Y functions, ($X^{(1)}$ and $Y^{(1)}$ for i = 1,2). The azimuth-independent terms contain the remaining two pairs (i = s, 4) of X and Y functions in a more complicated relationship, conveniently expressed in terms of eight functions: ψ, φ, ξ, η, ζ, ϑ, χ, σ. These functions are linear combinations of the $X^{(i)}$ and $Y^{(i)}$ (i = s, 4). The constants in these combinations are functions of the moments tabulated in Table 2. The values of the eight functions mentioned above are given in Table 3, the constants used for their computation in Table 4.

The polarization of sky radiation is relatively simple in all directions along the sun vertical, the vertical plane through the zenith and toward the sun. The simplification is caused by the fact that along this plane U = 0, the plane of polarization is either parallel or perpendicular to the sun vertical. In such a case the state of polarization is completely defined by two intensities I_ℓ and I_r, in the direction parallel and perpendicular to the sun vertical. These intensities are related to the mentioned total intensity I and the parameter Q by the formulae

$$I = I_\ell + I_r , \quad Q = I_\ell - I_r . \tag{2}$$

From the general form of the expressions for I_ℓ and I_r (3, 4) it is evident that the intensity I_r has the same value on the solar side of the sun vertical, where $\varphi = \varphi_o$, and on the antisolar side, where $\varphi = \varphi_o + \pi$, whereas the intensity I has different value on the solar and antisolar sides, denoted by I_ℓ and $I_{\ell a}$ respectively. The values of the intensities I_ℓ, $I_{\ell a}$, I_r along the sun vertical for $F_o = 1$ are tabulated in Table 5, for different sun elevation, and for several optical thicknesses.

Chandrasekhar extended Rayleigh's original theory also in another direction. The effect of the reflection from the ground

was incorporated for the case of the reflection according to the Lambert's law. It is assumed that the reflected radiation is independent of the direction, unpolarized, and the total flux upward is a fraction (albedo $\lambda < 1$) of the flux received from above. The effect of the ground reflection can be expressed by the corrections to the intensities I_ℓ and I_r, denoted accordingly by I_ℓ^* and I_r^*. These corrections can be computed by means of two functions γ_ℓ^*, γ_r^* tabulated in Table 3 and of a constant $\bar{s}$, given in Table 4. The correction for the intensity I_ℓ is the same on both sides of the sun vertical, thus the subscript a is omitted. The values of these corrections are incorporated in Table 5 for $\lambda = .25, .50, .80$.

As explained in the following section, for very small values of τ some of the terms become so small that the computational scheme, used for the moderate values of τ does not lead to a result with a satisfactory accuracy. In this case the effect of the secondary scattering is so small that the primary scattering is quite predominant. The computational scheme above can then be replaced by the formulae given below, easily derived from the equation of the radiative transfer (p. 44 in Ref. 2):

$$I_\ell(\mu,\varphi)=E(\tau,\mu,\mu_o)\left\{ 2(1-\mu^2)(1-\mu_o^2)+\mu^2(1+\mu_o^2) \right.$$

$$\left. +4\mu\mu_o(1-\mu^2)^{\frac{1}{2}}(1-\mu_o^2)^{\frac{1}{2}}\cos(\varphi_o-\varphi)-\mu^2(1-\mu_o^2)\cos 2(\varphi_o-\varphi) \right\} ,$$

(3)

$$I_r(\mu,\varphi)=E(\tau,\mu,\mu_o)\left\{ 1+\mu_o^2+(1-\mu_o^2)\cos 2(\varphi_o-\varphi) \right\} ,$$

$$U(\mu,\varphi)=2E(\tau,\mu,\mu_o)\left\{ 2\mu_o(1-\mu^2)^{\frac{1}{2}}(1-\mu_o^2)^{\frac{1}{2}}\sin(\varphi_o-\varphi)-\mu(1-\mu_o^2)\sin 2(\varphi_o-\varphi) \right\} ,$$

with

$$E(\tau,\mu,\mu_o) = \frac{3\mu_o F_o}{32(\mu_o-\mu)}\left[e^{-\tau/\mu_o} - e^{-\tau/\mu} \right].$$

($\varphi_o - \varphi$ being the azimuth difference of the vertical plane from the sun's vertical.) For the sun's vertical these expressions reduce to the following:

$$\left.\begin{matrix} I_\ell \\ I_{\ell a} \end{matrix}\right\} = 2E(\tau,\mu,\mu_o)\left[\mu\ \mu_o \pm (1-\mu^2)^{\frac{1}{2}}(1-\mu_o^2)^{\frac{1}{2}}\right]^2 \tag{4}$$

$$I_r = 2E(\tau,\mu,\mu_o) \ .$$

With the values of I_ℓ, $I_{\ell a}$ and I_r in Table 5, the corresponding values for any other direction in a vertical plane of the azimuth φ can be readily computed, as proved elsewhere (Ref. 3):

$$I_\ell(\mu,\varphi) = I_\ell \cos^2\tfrac{1}{2}(\varphi_o-\varphi) + I_{\ell a}\sin^2\tfrac{1}{2}(\varphi_o-\varphi) + \mu^2 Z\ \sin^2(\varphi_o-\varphi) \ ,$$

$$I_r(\mu,\varphi) = I_r - Z\ \sin^2(\varphi_o-\varphi) \ , \tag{5}$$

$$U(\mu,\varphi) = \tfrac{1}{2}\mu^{-1}(I_\ell - I_{\ell a})\sin(\varphi_o-\varphi) - \mu Z \sin 2(\varphi_o-\varphi) \ ,$$

with

$$Z = \frac{3\mu_o(1-\mu_o^2)}{16(\mu-\mu_o)}\left\{X^{(2)}(\mu_o)Y^{(2)}(\mu) - Y^{(2)}(\mu_o)X^{(2)}(\mu)\right\}$$

and $X^{(2)}$ and $Y^{(2)}$ as given in Table 1.

NUMERICAL ANALYSIS

THE X AND Y FUNCTIONS

These functions are basic in what is to follow, and a full discussion of their properties is given by Chandrasekhar (Ref. 2). We shall state here without proof some of these properties, and reference will be made to equations of Chandrasekhar's text; thus RT(126), will imply equation (126) in Chandrasekhar's text. Unless otherwise specified, Chapter VIII will be implied. By definition

$$X^{(k)}(\mu,\tau) = 1 + \mu T_1(X^{(k)},Y^{(k)}) \tag{6}$$

$$Y^{(k)}(\mu,\tau) = e^{-\tau/\mu} + \mu T_2(X^{(k)},Y^{(k)}) \tag{7}$$

where

$$(8)\quad T_1(X^{(k)},Y^{(k)}) = \int_0^1 \frac{\psi_k(t)[X^{(k)}(\mu,\tau)X^{(k)}(t,\tau)-Y^{(k)}(\mu,\tau)Y^{(k)}(t,\tau)]dt}{\mu + t};$$

$$(9)\quad T_2(X^{(k)},Y^{(k)}) = \int_0^1 \frac{\psi_k(t)[Y^{(k)}(\mu,\tau)X^{(k)}(t,\tau)-X^{(k)}(\mu,\tau)Y^{(k)}(t,\tau)]dt}{\mu - t}.$$

In the above the characteristic function $\psi_k(t)$ is an even polynomial in t, satisfying

$$\int_0^1 \psi_k(t)dt \leq \tfrac{1}{2}.$$

The following four polynomials are considered in this discussion:

$k = 1$, $\psi_k(t) = \frac{3}{8}(1+t^2-2t^4)$; $\qquad k = 2$, $\psi_k(t) = \frac{3}{16}(1+2t^2+t^4)$;

$k = 3$, $\psi_k(t) = \frac{3}{4}(1-t^2)$ — the conservative case; $k=4$, $\psi_k(t)=\frac{3}{8}(1-t^2)$.

Whenever no ambiguity is likely to arise, the functions defined in (6) and (7) will be abbreviated by X and Y, respectively.

Let

$$x_n^{(k)}(\tau) = \int_0^1 t^n \psi_k(t)X^{(k)}(t,\tau)dt; \quad y_n^{(k)}(\tau) = \int_0^1 t^n \psi_k(t)Y^{(k)}(t,\tau)dt;$$

$$\alpha_n^{(k)}(\tau) = \int_0^1 t^n X^{(k)}(t,\tau)dt; \quad \beta_n^{(k)}(\tau) = \int_0^1 t^n Y^{(k)}(t,\tau)dt.$$

For the sake of simplicity, the "moments" defined above will usually be indicated by x_n, y_n, α_n, and β_n; the parameter τ will always be dropped and k will be indicated only when necessary. A property of fundamental importance is given in (29RT), namely

$$(10)\qquad x_0 = \tfrac{1}{2}(x_0^2 - y_0^2) + \int_0^1 \psi_k(t)dt.$$

Chandrasekhar has shown that for k = 3 (the conservative case) the solutions of (6) and (7) are not unique; and that if X, Y form one set of solutions, then the set $\bar{X}$, $\bar{Y}$ defined by

$$\bar{X} = X + \mu q(X+Y); \qquad \bar{Y} = Y - \mu q(X+Y) \tag{11}$$

also satisfies (6) and (7) for an arbitrary q. The standard solutions $X^{(s)}$ and $Y^{(s)}$ are obtained from $X^{(3)}$ and $Y^{(3)}$ by setting

$$q = y_0^{(3)} / [\, x_1^{(3)} + y_1^{(3)} \,] \tag{12}$$

in (11). With this normalization

$$x_0^{(s)} = 1; \qquad y_0^{(s)} = 0 \,. \tag{13}$$

METHOD OF APPROXIMATING THE X AND Y FUNCTIONS

Dropping the parameters k and τ for brevity, let

$$X_0(\mu) = 1; \qquad Y_0(\mu) = \exp(-\tau/\mu) \,; \tag{14}$$

$$X_n(\mu) = 1 + \mu T_1 [X_{n-1}(\mu), Y_{n-1}(\mu)] \,; \tag{15}$$

$$Y_n(\mu) = \exp(-\tau/\mu) + \mu T_2 [X_{n-1}(\mu), Y_{n-1}(\mu)] \,,$$

with T_1 and T_2 defined in (8) and (9).

Starting with X_0 and Y_0, we may compute in sequence X_1, Y_1, X_2, Y_2, ..., X_n, Y_n. When two successive approximations agree to a sufficient accuracy, the solutions $X = X_n$, $Y = Y_n$ are considered satisfactory approximations to the solutions of (6) and (7).

In order to speed convergence, use can be made of (12ART) and (12bRT). Thus if X_n, Y_n are available, an "improved" set is obtained by setting

$$(16)\qquad X_{n+1} = X_n + \mu\Delta_n(1-e^{-\tau/\mu}); \quad Y_{n+1} = Y_n + \mu\Delta_n(1-e^{-\tau/\mu}) ,$$

where

$$(17)\qquad \Delta_n = [1-(x_{o,n}+y_{o,n}) - D_1]/D_2 ,$$

$$(18)\qquad D_1 = [1-2\int_o^1 \psi(t)dt]/[1-x_{o,n}+y_{o,n}],$$

$$(19)\qquad D_2 = 2\int_o^1 t\,\psi(t)[1-\exp(-\tau/t)]\,dt .$$

The symbols $x_{o,n}$ and $y_{o,n}$ imply the evaluation of these moments corresponding to X_n and Y_n. It can be readily verified that Δ_n vanishes if X_n, Y_n are identical with X, Y respectively. Moreover, the moment relation (10) is satisfied identically for the set X_{n+1}, Y_{n+1}.

In Ref. 3 values of the X and Y functions are given for τ= 0.15, 0.25, and 1. An examination of the results shows that for τ = 0.15, X_2 and Y_2 agree with the more accurate values, based on several iterations, to within 0.001, for small values of μ, and often to four decimals for $\mu > 0.4$. It is expected that with decreasing τ, X_2 and Y_2 approximate X and Y, respectively, more and more closely. Consequently X_2 and Y_2 were taken as approximations to X and Y for the calculations given here.

It is possible to express X_1 and Y_1 in terms of the exponential integrals $E_n(x)$ and elementary functions. Thus let

$$(20)\qquad E_n(x) = \int_1^\infty e^{-xt}dt/t^n = \int_o^1 e^{-x/t}t^{n-2}dt$$

$$(21)\qquad F_n(\tau,\mu) = \int_o^\tau e^{t/\mu}E_n(t)dt$$

$$(22)\qquad G_{n,m}(\tau) = \int_o^1 t^{m-2}F_n(\tau,-t)dt$$

$$(23)\qquad G'_{n,m}(\tau) = \int_o^1 e^{-\tau/t}t^{m-2}F_n(\tau,t)dt$$

Further, let us now assign symbols to the coefficient of the polynomials $\psi_k(t)$ entering into (8) and (9) by writing

$$\psi_k(t) = \sum_{m=0}^{4} b_{k,m} t^m = \sum_{m=0}^{4} a_m t^m . \tag{24}$$

For brevity the dependence of the coefficient a_m on k is not indicated. With the above definitions it can be verified that

$$X_1^{(k)}(\tau,\mu) = 1 + \sum_{j=0}^{4} a_j F_{j+1}(\tau,-\mu) \tag{25}$$

$$Y_1^{(k)}(\tau,\mu) = e^{-\tau/\mu}\left[1 + \sum_{j=0}^{4} a_j F_{j+1}(\tau,\mu)\right], \tag{26}$$

$k = 1, 2, 3, 4.$

The following recurrence relations can be readily established:

$$E_{n+1}(x) = \left[e^{-x} - xE_n(x)\right]/n, \qquad n \geqslant 1. \tag{27}$$

$$F_n(\tau,\mu) = \mu\left[F_{n-1}(\tau,\mu) + e^{\tau/\mu}E_n(\tau) - \frac{1}{n-1}\right], \qquad n \geqslant 2 . \tag{28}$$

$$F_1(\tau,-\mu) = \mu\left[\log\left(1+\frac{1}{\mu}\right) - e^{-\tau/\mu}E_1(\tau) + E_1\left(\frac{\tau}{\mu}+\tau\right)\right], \quad \mu > 0 . \tag{29}$$

$$F_1(\tau,\mu) = \mu\left[-\log\left(\frac{1}{\mu}-1\right) + e^{\tau/\mu}E_1(\tau) + Ei\left(\frac{\tau}{\mu}-\tau\right)\right], \tag{30}$$

$$F_1(\tau,1) = \gamma + \log\tau + e^{\tau}E_1(\tau) , \tag{31}$$

where $\gamma = 0.5772156649$ (Euler's constant to ten decimals).

In (30)

$$Ei(x) = \int_{-\infty}^{x} (e^t/t)dt , \qquad x = -\tau + \frac{\tau}{\mu} , \tag{32}$$

is the well known exponential integral, and $E_1(x)$, defined in (20), is equal to $-Ei(-x)$. Both $Ei(x)$ and $E_1(x)$ have been extensively tabulated.

The moments $\alpha_{j,1}$, $\beta_{j,1}$ can be obtained by numerical integration, or else by the use of the functions $G_{n,m}(\tau)$ and $G'_{n,m}(\tau)$. From the definition of these functions and (25), (26) we have

$$\alpha^{(k)}_{n,1}(\tau) = \frac{1}{n+1} + \sum_{j=0}^{4} a_j G_{n+2,j+1}(\tau). \tag{33}$$

$$\beta^{(k)}_{n,1}(\tau) = E_{n+2}(\tau) + \sum_{j=0}^{4} a_j G_{n+2,j+1}(\tau) . \tag{34}$$

It has been shown by Chandrasekhar (Ref. 2), Appendix I, that

$$G_{n,m}(\tau) = \int_0^\tau E_n(t)E_m(t)dt = G_{m,n} \tag{35}$$

$$G'_{n,m}(\tau) = \int_0^\tau E_n(t)E_m(\tau-t)dt = G'_{m,n} \tag{36}$$

$$G_{n,m}(\tau) = \frac{1}{(m+n-1)} [\tau E_n(\tau)E_m(\tau) + F_n(\tau,-1) + F_m(\tau,-1)] \tag{37}$$

$$G'_{n,m}(\tau) = G'_{n-1,m+1}(\tau) - \frac{1}{n-1} E_{m+1}(\tau) + \frac{1}{m} E_m(\tau) \qquad n \geqslant 2 \tag{38}$$

$$G'_{1,1}(\tau) = 2 [E_1(\tau) + (\gamma + \log \tau)E_2(\tau) - U(\tau)] , \tag{39}$$

where

$$U(\tau) = \frac{1}{2}\tau(\gamma + \log \tau)^2 + \frac{\pi^2\tau}{12} + \sum_{m=1}^{\infty} \frac{\tau^{m+1}(-1)^m}{m^2 m!} \tag{40}$$

The moments of order zero and one were obtained from the above formulas, rather than from numerical integration, for all values of τ. For $\tau \geqslant 0.01$ higher order moments were obtained by numerical integration. All required moments for $\tau = 0.001$ and 0.003 listed in these tables were obtained from the above formulas. The computation of the function $G_{n,m}(\tau)$ from (37) is straightforward. The functions $G'_{n,m}(\tau)$ are somewhat harder to get. In practice $G'_{1,1}(\tau)$ was computed, and the additional functions specified below were derived. For convenience some abbreviations are also introduced, as explained.

Abbreviations

$$f_n = e^{-\tau} F_n(\tau,1); \quad G'_{i,j} = G'_{i,j}(\tau); \quad E_n = E_n(\tau)$$

(41) $$G'_{1,2} = \frac{1}{2}\left[-\tau G'_{1,1} + \tau E_1 + f_1 + f_2\right]$$

(42) $$G'_{1,j} = \frac{1}{j}\left[-\tau G'_{1,j-1} + \frac{\tau}{j-1} E_1 + f_1 + f_j\right] \quad j \geq 2$$

(43) $$G'_{3,2} = G'_{1,4} - E_4 + \frac{1}{3} E_2$$

(44) $$G'_{5,2} + G'_{1,6} - E_6 + \frac{1}{5} E_2$$

Once $\alpha_{j,1}$ and $\beta_{j,1}$ are available, the moments $x_{n,1}$ and $y_{n,1}$, can be obtained from

(45) $$x_{n,1} = \sum_{j=0}^{4} a_j \alpha_{n+j,1}; \quad y_{n,1} = \sum_{j=0}^{4} a_j \beta_{n+j,1}$$

When $X_1^{(k)}$, $Y_1^{(k)}$ and their moments are known, $X_2^{(k)}$ and $Y_2^{(k)}$ can be obtained from (16). It can be verified that

(46) $$D_2 = a_o + \frac{a_2}{2} + \frac{a_4}{3} - \left[2a_o E_3 + 2a_2 E_5 + 2a_4 E_7\right].$$

The moments corresponding to the second approximation are obtained from

(47) $$\alpha_{n,2} = \alpha_{n,1} + \Delta\left(\frac{1}{n+2} - E_{n+3}\right); \quad \beta_{n,2} = \beta_{n,1} + \Delta\left(\frac{1}{n+2} - E_{n+3}\right)$$

Values of $x_{n,2}$ and $y_{n,2}$ are then obtained by substituting (47) into (45).

To get the standard solution, (12) is used in conjunction with $X_2^{(3)}$, $Y_2^{(3)}$ and the corresponding moments $x_{1,2}$, $y_{1,2}$ and $y_{o,2}$.

SCATTERING AND INTENSITY FUNCTIONS

The scattering and "intensity" functions depend on the coefficients listed in Table 4; they are based implicitly on the X and Y functions and their moments. It turned out that for small values of τ, some of the coefficients are sensitive to a small change in the moments of Table 2. In view of the fact that the X and Y functions are approximated by X_2 and Y_2, respectively, the approximations to X and Y are probably correct to no more than four decimal places. The functions have a logarithmic singularity in their derivatives at the origin of μ, and straightforward numerical integration for the moments of order two is good to only five decimal places. It was expected that this accuracy would be ample, in view of the fact that X_2 and Y_2 are themselves correct representations of X and Y to at most that accuracy. At the outset all moments of order higher than one were obtained by numerical integration, and it turned out that some of the coefficients in Table 4 became indeterminate for $\tau = 0.001$ and 0.003. The required coefficients were then interpolated from a table of such coefficients. These interpolated coefficients were good to within $\pm$ 0.003, and the scattering functions actually listed were based on them. It turned out that the "intensity" functions became meaningless when based on these scattering functions. The higher moments for $\tau = 0.001$ and 0.003 were then recomputed by the formulas (33) and (34) and the coefficients listed in Table 4 are based on these recomputed values. Although they are probably correct to only three decimals, compared with those based on exact values of X and Y, it was possible to derive them from computations of the moments which were consistent among themselves to seven decimal places. Computations of the "intensity functions" based on the "corrected" scattering functions were made for a few parameters, and the results were consistent. We give below some comparative values:

	(a) Coefficients on which scattering functions are based		(b) More consistent coefficients, given in Table 4	
	τ = .001	τ = .003	τ = .001	τ = .003
ν_1	-0.18820	-0.18946	-0.18847	-0.18975
ν_2	-0.18870	-0.19095	-0.18897	-0.19123
ν_3	+1.13551	1.11659	1.13257	1.11348
ν_4	-1.51307	-1.49888	-1.51083	-1.49651
s	-0.24957	-0.24873	-0.24936	-0.24837
t	-0.49981	-0.49943	-0.49981	-0.49944
u_3	-0.28202	-0.28343	-0.28229	-0.28371
u_4	-0.28252	-0.28492	-0.28279	-0.28520
u_5	0.00037	0.00113	0.00038	0.00113
a	0.49812	0.49452	0.49744	0.49354
b	0.49877	0.49646	0.49853	0.49621
c	-0.37540	-0.37779	-0.37559	-0.37632
g	1.32144	1.30424	1.32145	1.30425
$\bar{s}$	0.00062	0.00296	0.00100	0.00297

The following are the scattering functions based on coefficients of column (b), for τ = 0.001 for three values of μ.

τ = 0.001	μ = 0.1	μ = 0.6	μ = 1
ψ	0.01021	0.36115	1.00287
ξ	0.01011	0.36055	1.00186
φ	0.99490	0.64321	0.00010
η	0.98503	0.64212	0.00012
ζ	0.00009	0.00009	0.00010
θ	0.00009	0.00009	0.00009
χ	1.00284	1.00285	1.00285
σ	0.99289	1.00118	1.00185
γ_ℓ	0.99503	0.99918	0.99694
γ_r	0.99503	0.99917	0.99950

Compared with the values tabulated, η diverges by most, especially for μ = 1.

It was not deemed worth while to recompute the scattering and intensity functions for $\tau = 0.001$ and 0.003, especially since the simple formula (4), given in the preceding Introduction, gives good results for small values of τ. In the following schedule some comparative results are given.

A: Values computed from Chandrasekhar's formulas.
B: Values computed from formula (4), Z. Sekera's Introduction.

τ	μ_o	μ	I_r	I	I_a	
0.001	0.1	0.6	0.00031	0.00023	0.00017	A
			.00031	.00023	.00017	B
	0.6	0.1	0.00187	0.00120	0.00118	A
			.00186	.00137	.00101	B
	0.6	1.0	0.00019	0.000071	0.000071	A
			.000187	.000067	.000067	B
	1.0	0.6	0.00031	0.00012	0.00012	A
			.000278	.000111	.000111	B
0.01	0.02	0.10	0.01772	0.01786	0.01648	A
			.01398	.01389	.01378	B
	0.02	0.60	0.00307	0.00255	0.00139	A
			.00244	.00209	.00151	B
	0.02	1.00	0.00185	0.00008	0.00008	A
			.00147	.000006	.000006	B
0.01	0.6	0.1	0.01804	0.01344	0.00999	A
			.01777	.0130	.00958	B
	0.6	0.8	0.00235	0.00218	0.00001	A
			.00231	.00213	0	B
	0.6	1.0	0.00188	0.00068	0.00068	A
			.00185	.00067	.00067	B

There is a considerable loss in significant figures, in computing I and I_a by method A, and wherever one significant figure only is given, that figure is not trustworthy, and the value given by method B may in fact be the better one. The above schedule seems to indicate that Sekera's formula is good, even when τ is as large as 0.01.

It should be emphasized that the entries given are all based implicitly on the second approximation to the X and Y functions, as stated previously, and it should not be inferred that the values are correct to all the decimal places given, compared with the true results based on exact values of X and Y. For $\tau \geq 0.01$ the scattering and intensity functions are probably correct to three decimal places. This conjecture is based on comparisons made in (2) for $\tau = 0.15$, with similar computations.

Table 1. X and Y Functions

Values of $X_n^{(k)}(\mu,\tau)$ and $Y_n^{(k)}(\mu,\tau)$

$k = 1, 2, s, 4$

for $\tau = 0.001, 0.003, 0.01, 0.02, 0.05,$ and 0.10. $X_n^{(k)}(\mu,\tau)$ and $Y_n^{(k)}$ are defined in the section on Numerical Analysis.

TABLE 1 X and Y Functions
τ = .001

μ	$X_2^{(1)}$	$Y_2^{(1)}$	$X_2^{(2)}$	$Y_2^{(2)}$
0.0	1.00000	0.00000	1.00000	0.00000
0.1	1.00263	0.90745	1.00153	0.90636
0.2	1.00269	0.95391	1.00157	0.95279
0.3	1.00271	0.97992	1.00158	0.97680
0.4	1.00272	0.97803	1.00159	0.97690
0.5	1.00273	0.98293	1.00159	0.98179
0.6	1.00273	0.98620	1.00159	0.98506
0.7	1.00274	0.98855	1.00160	0.98741
0.8	1.00274	0.99032	1.00160	0.98917
0.9	1.00274	0.99169	1.00160	0.99055
1.0	1.00274	0.99279	1.00160	0.99165
1.1	1.00274	0.99369	1.00160	0.99255
1.2	1.00274	0.99444	1.00160	0.99330
1.4	1.00275	0.99563	1.00160	0.99448
1.6	1.00275	0.99652	1.00160	0.99537
1.8	1.00275	0.99721	1.00160	0.99606
2.0	1.00275	0.99776	1.00160	0.99662
2.2	1.00275	0.99821	1.00160	0.99707
2.4	1.00275	0.99859	1.00160	0.99745
2.6	1.00275	0.99891	1.00160	0.99777
2.8	1.00275	0.99919	1.00160	0.99804
3.0	1.00275	0.99942	1.00160	0.99828
3.2	1.00275	0.99963	1.00161	0.99848
3.4	1.00275	0.99981	1.00161	0.99867
3.6	1.00275	0.99998	1.00161	0.99883
4.0	1.00275	1.00026	1.00161	0.99911
4.4	1.00275	1.00048	1.00161	0.99934
4.8	1.00275	1.00067	1.00161	0.99952
5.2	1.00275	1.00083	1.00161	0.99968
5.6	1.00275	1.00097	1.00161	0.99982
6.0	1.00275	1.00109	1.00161	0.99994
6.4	1.00275	1.00119	1.00161	1.00004
6.8	1.00275	1.00128	1.00161	1.00014
7.2	1.00275	1.00137	1.00161	1.00022
7.6	1.00275	1.00144	1.00161	1.00029
8.0	1.00275	1.00150	1.00161	1.00036
8.4	1.00275	1.00156	1.00161	1.00042
8.5	1.00275	1.00159	1.00161	1.00044
8.8	1.00275	1.00162	1.00161	1.00047
9.0	1.00275	1.00164	1.00161	1.00050
9.2	1.00275	1.00167	1.00161	1.00052
9.4	1.00275	1.00169	1.00161	1.00054
9.6	1.00275	1.00171	1.00161	1.00057
9.8	1.00275	1.00173	1.00161	1.00059
10.0	1.00275	1.00175	1.00161	1.00061

TABLE 1 X and Y Functions (Continued)

τ = .001

μ	$X_2^{(s)}$	$Y_2^{(s)}$	$X_2^{(4)}$	$Y_2^{(4)}$
0.00	1.000000	0.000000	1.000000	0.000000
0.01	1.003022	0.884422	1.002455	0.990727
0.02	1.005687	0.904411	1.002551	0.995373
0.03	1.008346	0.893889	1.002553	0.996974
0.04	1.011004	0.875455	1.002554	0.997784
0.05	1.013662	0.853799	1.002555	0.998274
0.06	1.016319	0.830500	1.002555	0.998602
0.07	1.018976	0.806299	1.002555	0.998837
0.08	1.021633	0.781499	1.002555	0.999013
0.09	1.024289	0.756311	1.002556	0.999150
0.10	1.026946	0.730844	1.002556	0.999261
0.11	1.029603	0.705188	1.002556	0.999351
0.12	1.032259	0.679377	1.002556	0.999426
0.14	1.037573	0.627443	1.002556	0.999544
0.16	1.042886	0.575519	1.002556	0.999633
0.18	1.048199	0.522755	1.002556	0.999702
0.20	1.053512	0.470177	1.002556	0.999757
0.22	1.058825	0.417749	1.002556	0.999803
0.24	1.064139	0.364744	1.002556	0.999841
0.26	1.069452	0.311933	1.002556	0.999873
0.28	1.074765	0.259088	1.002556	0.999900
0.30	1.080078	0.206188	1.002557	0.999924
0.32	1.085391	0.153266	1.002557	0.999944
0.34	1.090704	0.100311	1.002557	0.999963
0.36	1.096017	0.047354	1.002557	0.999979
0.40	1.106643	-0.058633	1.002557	1.000007
0.44	1.117270	-0.164666	1.002557	1.000030
0.48	1.127896	-0.270733	1.002557	1.000049
0.52	1.138522	-0.376833	1.002557	1.000065
0.56	1.149148	-0.482966	1.002557	1.000078
0.60	1.159774	-0.589130	1.002557	1.000090
0.64	1.170400	-0.695325	1.002557	1.000101
0.68	1.181026	-0.801542	1.002557	1.001110
0.72	1.191653	-0.907760	1.002557	1.001118
0.76	1.202279	-1.013779	1.002557	1.001125
0.80	1.212905	-1.119999	1.002557	1.001132
0.84	1.223531	-1.226199	1.002557	1.001138
0.86	1.228844	-1.279229	1.002557	1.001141
0.88	1.234157	-1.332239	1.002557	1.001143
0.90	1.239470	-1.385550	1.002557	1.001146
0.92	1.244783	-1.438861	1.002557	1.001148
0.94	1.250096	-1.491771	1.002557	1.001150
0.96	1.255409	-1.544482	1.002557	1.001153
0.98	1.260722	-1.597933	1.002557	1.001155
1.00	1.265035	-1.651044	1.002557	1.001157

TABLE 1 X and Y Functions (Continued)

τ = .003

μ	X_2^1	$Y_2^{(1)}$	$X_2^{(2)}$	Y_2^2
0.0	1.00000	0.00000	1.00000	0.00000
0.01	1.00618	0.74685	1.00368	0.74443
0.02	1.00660	0.86723	1.00394	0.86461
0.03	1.00675	0.91153	1.00403	0.90884
0.04	1.00683	0.93453	1.00408	0.93180
0.05	1.00687	0.94861	1.00411	0.94585
0.06	1.00690	0.95811	1.00413	0.95534
0.07	1.00693	0.96495	1.00414	0.96218
0.08	1.00694	0.97012	1.00415	0.96733
0.09	1.00696	0.97416	1.00416	0.97136
0.10	1.00697	0.97740	1.00416	0.97460
0.11	1.00698	0.98006	1.00417	0.97726
0.12	1.00693	0.98228	1.00417	0.97948
0.14	1.00700	0.98578	1.00418	0.98297
0.16	1.00700	0.98842	1.00419	0.98561
0.18	1.00701	0.99047	1.00419	0.98766
0.20	1.00702	0.99212	1.00419	0.98930
0.22	1.00702	0.99347	1.00420	0.99065
0.24	1.00702	0.99460	1.00420	0.99177
0.26	1.00703	0.99555	1.00420	0.99272
0.28	1.00703	0.99637	1.00420	0.99354
0.30	1.00703	0.99708	1.00420	0.99425
0.32	1.00703	0.99770	1.00420	0.99487
0.34	1.00704	0.99825	1.00421	0.99542
0.36	1.00704	0.99873	1.00421	0.99591
0.40	1.00704	0.99956	1.00421	0.99673
0.44	1.00704	1.00024	1.00421	0.99741
0.48	1.00704	1.00081	1.00421	0.99798
0.52	1.00705	1.00129	1.00421	0.99846
0.56	1.00705	1.00170	1.00421	0.99887
0.60	1.00705	1.00206	1.00421	0.99922
0.64	1.00705	1.00237	1.00421	0.99954
0.68	1.00705	1.00265	1.00421	0.99981
0.72	1.00705	1.00289	1.00421	1.00006
0.76	1.00705	1.00311	1.00421	1.00027
0.80	1.00705	1.00331	1.00422	1.00047
0.84	1.00705	1.00349	1.00422	1.00065
0.86	1.00705	1.00357	1.00422	1.00073
0.88	1.00705	1.00365	1.00422	1.00081
0.90	1.00705	1.00372	1.00422	1.00089
0.92	1.00705	1.00380	1.00422	1.00096
0.94	1.00705	1.00387	1.00422	1.00103
0.96	1.00705	1.00393	1.00422	1.00110
0.98	1.00706	1.00400	1.00422	1.00116
1.00	1.00706	1.00406	1.00422	1.00122

TABLE 1 X and Y Functions

$\tau = .003$

μ	$X_2^{(s)}$	$Y_2^{(s)}$	$X_2^{(4)}$	$Y_2^{(4)}$
0.0	1.00000	0.00000	1.00000	0.00000
0.1	1.03446	0.72898	1.00569	0.74636
0.2	1.06141	0.82362	1.00607	0.86670
0.3	1.08802	0.84174	1.00621	0.91100
0.4	1.11454	0.83843	1.00628	0.93398
0.5	1.14102	0.82615	1.00632	0.94806
0.6	1.16749	0.80928	1.00635	0.95755
0.7	1.19394	0.78973	1.00637	0.96440
0.8	1.22039	0.76850	1.00639	0.96956
0.9	1.24683	0.74613	1.00640	0.97360
1.0	1.27327	0.72297	1.00641	0.97684
1.1	1.29971	0.69921	1.00642	0.97950
1.2	1.32615	0.67502	1.00643	0.98172
1.4	1.37901	0.62569	1.00644	0.98522
1.6	1.43188	0.57549	1.00644	0.98786
1.8	1.48474	0.52470	1.00645	0.98991
2.0	1.53760	0.47350	1.00645	0.99156
2.2	1.59046	0.42200	1.00646	0.99291
2.4	1.64331	0.37028	1.00646	0.99403
2.6	1.69617	0.31839	1.00646	0.99499
2.8	1.74903	0.26636	1.00647	0.99580
3.0	1.80188	0.21422	1.00647	0.99651
3.2	1.85474	0.16199	1.00647	0.99713
3.4	1.90759	0.10969	1.00647	0.99768
3.6	1.96045	0.05733	1.00647	0.99817
4.0	2.06616	-0.04754	1.00648	0.99900
4.4	2.17187	-0.15256	1.00648	0.99968
4.8	2.27758	-0.25770	1.00648	1.00025
5.2	2.38328	-0.36292	1.00648	1.00073
5.6	2.48899	-0.46821	1.00648	1.00114
6.0	2.59470	-0.57356	1.00648	1.00149
6.4	2.70041	-0.67895	1.00649	1.00181
6.8	2.80611	-0.78438	1.00649	1.00208
7.2	2.91182	-0.88984	1.00649	1.00233
7.6	3.01753	-0.99533	1.00649	1.00255
8.0	3.12323	-1.10084	1.00649	1.00274
8.4	3.22894	-1.20636	1.00649	1.00292
8.6	3.28179	-1.25913	1.00649	1.00300
8.8	3.33465	-1.31190	1.00649	1.00308
9.0	3.38750	-1.36468	1.00649	1.00316
9.2	3.44036	-1.41746	1.00649	1.00323
9.4	3.49321	-1.47024	1.00649	1.00330
9.6	3.54606	-1.52303	1.00649	1.00337
9.8	3.59892	-1.57582	1.00649	1.00343
10.0	3.65177	-1.62861	1.00649	1.00349

TABLE 1 X and Y Functions (Continued)

τ = .010

μ	$X_2^{(1)}$	$Y_2^{(1)}$	$X_2^{(2)}$	$Y_2^{(2)}$
0.00	1.00000	0.00000	1.00000	0.00000
0.01	1.01279	0.37950	1.00783	0.37513
0.02	1.01553	0.62133	1.00956	0.61572
0.03	1.01665	0.73265	1.01026	0.72652
0.04	1.01725	0.79564	1.01064	0.78923
0.05	1.01763	0.83602	1.01088	0.82944
0.06	1.01789	0.86408	1.01104	0.85738
0.07	1.01808	0.88470	1.01116	0.87791
0.08	1.01822	0.90049	1.01125	0.89363
0.09	1.01833	0.91297	1.01132	0.90606
0.10	1.01842	0.92308	1.01137	0.91612
0.11	1.01849	0.93143	1.01142	0.92444
0.12	1.01856	0.93845	1.01146	0.93143
0.14	1.01866	0.94959	1.01152	0.94252
0.16	1.01873	0.95803	1.01157	0.95093
0.18	1.01879	0.96465	1.01161	0.95751
0.20	1.01883	0.96997	1.01164	0.96282
0.22	1.01887	0.97435	1.01166	0.96718
0.24	1.01891	0.97802	1.01168	0.97083
0.26	1.01893	0.98113	1.01170	0.97393
0.28	1.01896	0.98381	1.01171	0.97659
0.30	1.01898	0.98613	1.01172	0.97891
0.32	1.01899	0.98817	1.01174	0.98094
0.34	1.01901	0.98997	1.01175	0.98273
0.36	1.01902	0.99158	1.01175	0.98433
0.40	1.01905	0.99431	1.01177	0.98706
0.44	1.01907	0.99655	1.01178	0.98929
0.48	1.01908	0.99843	1.01179	0.99115
0.52	1.01910	1.00001	1.01180	0.99274
0.56	1.01911	1.00138	1.01181	0.99409
0.60	1.01912	1.00256	1.01181	0.99527
0.64	1.01913	1.00359	1.01182	0.99630
0.68	1.01914	1.00451	1.01183	0.99721
0.72	1.01914	1.00532	1.01183	0.99802
0.76	1.01915	1.00605	1.01183	0.99875
0.80	1.01915	1.00671	1.01184	0.99940
0.84	1.01916	1.00730	1.01184	1.00000
0.86	1.01916	1.00758	1.01184	1.00027
0.88	1.01916	1.00784	1.01184	1.00053
0.90	1.01917	1.00810	1.01184	1.00078
0.92	1.01917	1.00834	1.01185	1.00103
0.94	1.01917	1.00857	1.01185	1.00126
0.96	1.01917	1.00879	1.01185	1.00148
0.98	1.01917	1.00900	1.01185	1.00169
1.00	1.01918	1.00921	1.01185	1.00189

TABLE 1 X and Y Functions (Continued)

τ = .010

μ	X_2^S	Y_2^S	X_2^A	Y_2^A
0.00	1.00000	0.00000	1.00000	0.00000
0.01	1.04138	0.37133	1.01157	0.37829
0.02	1.07047	0.59176	1.01402	0.61982
0.03	1.09777	0.67895	1.01501	0.73102
0.04	1.12451	0.71688	1.01555	0.79394
0.05	1.15101	0.73183	1.01589	0.83428
0.06	1.17738	0.73425	1.01612	0.86231
0.07	1.20367	0.72912	1.01628	0.88291
0.08	1.22992	0.71907	1.01641	0.89869
0.09	1.25613	0.70565	1.01651	0.91115
0.10	1.28232	0.68983	1.01659	0.92125
0.11	1.30849	0.67222	1.01666	0.92960
0.12	1.33465	0.65326	1.01671	0.93661
0.14	1.38693	0.61239	1.01680	0.94773
0.16	1.43920	0.56878	1.01687	0.95617
0.18	1.49144	0.52332	1.01692	0.96278
0.20	1.54367	0.47655	1.01696	0.96810
0.22	1.59590	0.42881	1.01699	0.97247
0.24	1.64811	0.38035	1.01702	0.97614
0.26	1.70032	0.33133	1.01705	0.97925
0.28	1.75253	0.28187	1.01707	0.98192
0.30	1.80473	0.23204	1.01709	0.98424
0.32	1.85693	0.18193	1.01710	0.98628
0.34	1.90913	0.13158	1.01712	0.98808
0.36	1.96133	0.08103	1.01713	0.98968
0.40	2.06572	-0.02055	1.01715	0.99241
0.44	2.17010	-0.12263	1.01717	0.99465
0.48	2.27448	-0.22509	1.01718	0.99652
0.52	2.37886	-0.32785	1.01719	0.99811
0.56	2.48324	-0.43082	1.01720	0.99947
0.60	2.58761	-0.53399	1.01721	1.00065
0.64	2.69198	-0.63730	1.01722	1.00169
0.68	2.79635	-0.74073	1.01723	1.00260
0.72	2.90072	-0.84427	1.01723	1.00342
0.76	3.00509	-0.94789	1.01724	1.00414
0.80	3.10946	-1.05159	1.01724	1.00480
0.84	3.21383	-1.15535	1.01725	1.00539
0.86	3.26602	-1.20725	1.01725	1.00567
0.88	3.31820	-1.25916	1.01725	1.00593
0.90	3.37038	-1.31109	1.01726	1.00618
0.92	3.42257	-1.36303	1.01726	1.00643
0.94	3.47475	-1.41497	1.01726	1.00666
0.96	3.52694	-1.46693	1.01726	1.00688
0.98	3.57912	-1.51889	1.01726	1.00709
1.00	3.63130	-1.57087	1.01726	1.00729

TABLE 1 X and Y Functions (Continued)

τ = .02

μ	$X_2^{(1)}$	$Y_2^{(1)}$	$X_2^{(2)}$	$Y_2^{(2)}$
0.00	1.00000	0.00000	1.00000	0.00000
0.01	1.01625	0.14852	1.01003	0.14382
0.02	1.02250	0.38806	1.01403	0.38074
0.03	1.02550	0.53713	1.01596	0.52847
0.04	1.02724	0.63232	1.01708	0.62288
0.05	1.02837	0.69748	1.01781	0.68752
0.06	1.02916	0.74466	1.01832	0.73433
0.07	1.02975	0.78033	1.01870	0.76972
0.08	1.03020	0.80821	1.01899	0.79739
0.09	1.03056	0.83059	1.01922	0.81960
0.10	1.03085	0.84895	1.01941	0.83782
0.11	1.03109	0.86427	1.01956	0.85302
0.12	1.03129	0.87725	1.01969	0.86591
0.14	1.03162	0.89806	1.01990	0.88656
0.16	1.03186	0.91399	1.02006	0.90237
0.18	1.03205	0.92658	1.02018	0.91486
0.20	1.03221	0.93678	1.02028	0.92499
0.22	1.03234	0.94521	1.02037	0.93335
0.24	1.03244	0.95229	1.02044	0.94038
0.26	1.03254	0.95833	1.02049	0.94637
0.28	1.03261	0.96354	1.02054	0.95154
0.30	1.03268	0.96808	1.02059	0.95605
0.32	1.03274	0.97207	1.02063	0.96000
0.34	1.03280	0.97560	1.02066	0.96351
0.36	1.03284	0.97876	1.02069	0.96664
0.40	1.03292	0.98415	1.02074	0.97199
0.44	1.03299	0.98858	1.02079	0.97639
0.48	1.03304	0.99229	1.02082	0.98008
0.52	1.03309	0.99545	1.02085	0.98321
0.56	1.03313	0.99816	1.02088	0.98592
0.60	1.03317	1.00052	1.02090	0.98827
0.64	1.03320	1.00258	1.02092	0.99034
0.68	1.03322	1.00441	1.02094	0.99218
0.72	1.03325	1.00602	1.02095	0.99383
0.76	1.03327	1.00747	1.02097	0.99531
0.80	1.03329	1.00876	1.02098	0.99666
0.84	1.03331	1.00992	1.02099	0.99789
0.86	1.03331	1.01046	1.02100	0.99847
0.88	1.03332	1.01096	1.02100	0.99903
0.90	1.03333	1.01144	1.02101	0.99956
0.92	1.03334	1.01190	1.02101	1.00007
0.94	1.03334	1.01233	1.02102	1.00057
0.96	1.03335	1.01274	1.02102	1.00105
0.98	1.03336	1.01312	1.02102	1.00151
1.00	1.03336	1.01349	1.02103	1.00196

TABLE 1 X and Y Functions (Continued)

τ = .020

μ	$X_2^{(s)}$	$Y_2^{(s)}$	X_2^4	Y_2^4
0.00	1.00000	0.00000	1.00000	0.00000
0.01	1.04441	0.14483	1.01457	0.14687
0.02	1.07643	0.36956	1.02006	0.38564
0.03	1.10514	0.49832	1.02269	0.53433
0.04	1.13259	0.57096	1.02421	0.62930
0.05	1.15944	0.61247	1.02519	0.69432
0.06	1.18596	0.63537	1.02589	0.74140
0.07	1.21229	0.64639	1.02640	0.77699
0.08	1.23848	0.64937	1.02679	0.80481
0.09	1.26458	0.64667	1.02711	0.82714
0.10	1.29061	0.63982	1.02736	0.84546
0.11	1.31660	0.62985	1.02757	0.86075
0.12	1.34255	0.61747	1.02775	0.87371
0.14	1.39437	0.58738	1.02803	0.89447
0.16	1.44611	0.55227	1.02824	0.91037
0.18	1.49780	0.51373	1.02841	0.92293
0.20	1.54946	0.47272	1.02855	0.93311
0.22	1.60109	0.42989	1.02866	0.94152
0.24	1.65271	0.38567	1.02875	0.94859
0.26	1.70430	0.34037	1.02883	0.95462
0.28	1.75589	0.29422	1.02890	0.95981
0.30	1.80746	0.24738	1.02896	0.96434
0.32	1.85903	0.19998	1.02901	0.96832
0.34	1.91059	0.15210	1.02906	0.97184
0.36	1.96215	0.10384	1.02910	0.97498
0.40	2.06525	0.00636	1.02917	0.98035
0.44	2.16834	-0.09210	1.02923	0.98477
0.48	2.27141	-0.19131	1.02928	0.98846
0.52	2.37448	-0.29110	1.02932	0.99160
0.56	2.47753	-0.39134	1.02935	0.99429
0.60	2.58058	-0.49195	1.02938	0.99663
0.64	2.68362	-0.59285	1.02941	0.99868
0.68	2.78666	-0.69400	1.02943	1.00048
0.72	2.88968	-0.79535	1.02945	1.00209
0.76	2.99270	-0.89688	1.02947	1.00353
0.80	3.09571	-0.99855	1.02949	1.00482
0.84	3.19870	-1.10035	1.02950	1.00599
0.86	3.25020	-1.15128	1.02951	1.00653
0.88	3.30169	-1.20225	1.02952	1.00704
0.90	3.35318	-1.25323	1.02953	1.00753
0.92	3.40466	-1.30424	1.02953	1.00800
0.94	3.45614	-1.35526	1.02954	1.00845
0.96	3.50762	-1.40631	1.02954	1.00888
0.98	3.55910	-1.45737	1.02955	1.00929
1.00	3.61057	-1.50844	1.02955	1.00968

TABLE 1 X and Y Functions (Continued)

$\tau = .05$

μ	$X_2^{(1)}$	$Y_2^{(1)}$	$X_2^{(2)}$	$Y_2^{(2)}$
0.00	1.000000	0.000000	1.000000	0.000000
0.01	1.018225	0.017822	1.011334	0.014390
0.02	1.029988	0.104211	1.019062	0.097090
0.03	1.037799	0.219422	1.024262	0.209410
0.04	1.043155	0.323188	1.027850	0.311020
0.05	1.047000	0.409100	1.030440	0.395350
0.06	1.049899	0.479300	1.032390	0.464310
0.07	1.052133	0.536988	1.033900	0.521020
0.08	1.053922	0.584900	1.035111	0.568160
0.09	1.055377	0.625200	1.036099	0.607820
0.10	1.056588	0.659488	1.036910	0.641570
0.11	1.057600	0.688977	1.037600	0.670600
0.12	1.058477	0.714577	1.038199	0.695810
0.14	1.059888	0.756788	1.039144	0.737390
0.16	1.060988	0.790111	1.039888	0.770222
0.18	1.061855	0.817077	1.040477	0.796788
0.20	1.062566	0.839311	1.040955	0.818700
0.22	1.063155	0.857977	1.041355	0.837099
0.24	1.063655	0.873844	1.041699	0.852733
0.26	1.064077	0.887511	1.041988	0.866200
0.28	1.064444	0.899399	1.042233	0.877911
0.30	1.064766	0.909822	1.042455	0.888200
0.32	1.065055	0.919055	1.042644	0.897300
0.34	1.065300	0.927288	1.042811	0.905400
0.36	1.065522	0.934655	1.042966	0.912677
0.40	1.065911	0.947322	1.043233	0.925166
0.44	1.066233	0.957811	1.043444	0.935511
0.48	1.066499	0.966655	1.043622	0.944222
0.52	1.066722	0.974199	1.043788	0.951666
0.56	1.066911	0.980711	1.043911	0.958088
0.60	1.067088	0.986399	1.044022	0.963699
0.64	1.067233	0.991399	1.044122	0.968611
0.68	1.067377	0.995822	1.044211	0.972988
0.72	1.067488	0.999777	1.044299	0.976888
0.76	1.067599	1.003333	1.044366	0.980399
0.80	1.067688	1.006544	1.044443	0.983555
0.84	1.067777	1.009455	1.044499	0.986433
0.86	1.067811	1.010811	1.044522	0.987766
0.88	1.067855	1.012100	1.044544	0.989044
0.90	1.067899	1.013344	1.044577	0.990277
0.92	1.067922	1.014533	1.044599	0.991444
0.94	1.067955	1.015677	1.044611	0.992566
0.96	1.067999	1.016777	1.044633	0.993644
0.98	1.068022	1.017822	1.044666	0.994688
1.00	1.068055	1.018833	1.044688	0.995677

TABLE 1 X and Y Functions (Continued)

τ = .050

μ	X_2^S	$Y_2^{(S)}$	X_2^4	Y_2^4
0.00	1.00000	0.00000	1.00000	0.00000
0.01	1.04604	0.00530	1.01647	0.00669
0.02	1.08277	0.01797	1.02781	0.02089
0.03	1.11629	0.05174	1.03689	0.05763
0.04	1.14772	0.09968	1.04416	0.11128
0.05	1.17767	0.15068	1.05001	0.17088
0.06	1.20653	0.19854	1.05478	0.22987
0.07	1.23459	0.24076	1.05871	0.28532
0.08	1.26204	0.27671	1.06199	0.33619
0.09	1.28903	0.30658	1.06478	0.38234
0.10	1.31565	0.33089	1.06716	0.42405
0.11	1.34197	0.35023	1.06922	0.46170
0.12	1.36806	0.36522	1.07102	0.49575
0.14	1.41968	0.38419	1.07400	0.55461
0.16	1.47075	0.39138	1.07638	0.60350
0.18	1.52143	0.38947	1.07832	0.64459
0.20	1.57182	0.38042	1.07992	0.67954
0.22	1.62198	0.36570	1.08128	0.70960
0.24	1.67197	0.34642	1.08243	0.73568
0.26	1.72182	0.32341	1.08343	0.75853
0.28	1.77156	0.29732	1.08430	0.77869
0.30	1.82121	0.26867	1.08507	0.79661
0.32	1.87078	0.23786	1.08575	0.81264
0.34	1.92028	0.20521	1.08636	0.82706
0.36	1.96974	0.17099	1.08690	0.84010
0.40	2.06851	0.09865	1.08784	0.86275
0.44	2.16714	0.02216	1.08862	0.88174
0.48	2.26567	-0.05754	1.08928	0.89790
0.52	2.36411	-0.13979	1.08984	0.91181
0.56	2.46249	-0.22410	1.09033	0.92391
0.60	2.56081	-0.31009	1.09075	0.93453
0.64	2.65909	-0.39745	1.09113	0.94393
0.68	2.75733	-0.48598	1.09146	0.95230
0.72	2.85554	-0.57548	1.09176	0.95980
0.76	2.95373	-0.66582	1.09203	0.96656
0.80	3.05189	-0.75688	1.09227	0.97269
0.84	3.15003	-0.84855	1.09249	0.97827
0.86	3.19910	-0.89459	1.09259	0.98088
0.88	3.24816	-0.94076	1.09269	0.98338
0.90	3.29722	-0.98705	1.09278	0.98577
0.92	3.34627	-1.03345	1.09287	0.98806
0.94	3.39532	-1.07995	1.09296	0.99026
0.96	3.44437	-1.12655	1.09304	0.99237
0.98	3.49342	-1.17325	1.09312	0.99440
1.00	3.54246	-1.22003	1.09319	0.99635

TABLE 1 X and Y Functions (Continued)

τ = .100

μ	X_2^S	Y_2^S	X_2^4	Y_2^4
0.00	1.00000	0.00000	1.00000	0.00000
0.01	1.04591	0.01497	1.01618	0.01589
0.02	1.08186	0.09607	1.02620	0.10058
0.03	1.11380	0.20066	1.03281	0.21459
0.04	1.14349	0.28965	1.03733	0.31749
0.05	1.17186	0.35806	1.04057	0.40279
0.06	1.19940	0.40892	1.04300	0.47251
0.07	1.22638	0.44601	1.04488	0.52982
0.08	1.25298	0.47244	1.04638	0.57744
0.09	1.27929	0.49060	1.04760	0.61750
0.10	1.30541	0.50226	1.04861	0.65158
0.11	1.33136	0.50872	1.04947	0.68090
0.12	1.35719	0.51101	1.05020	0.70635
0.14	1.40858	0.50592	1.05138	0.74833
0.16	1.45970	0.49128	1.05230	0.78148
0.18	1.51064	0.46983	1.05302	0.80829
0.20	1.56145	0.44332	1.05362	0.83041
0.22	1.61216	0.41299	1.05411	0.84897
0.24	1.66279	0.37967	1.05453	0.86476
0.26	1.71337	0.34400	1.05488	0.87835
0.28	1.76389	0.30643	1.05519	0.89017
0.30	1.81438	0.26731	1.05546	0.90055
0.32	1.86484	0.22691	1.05570	0.90973
0.34	1.91527	0.18544	1.05591	0.91791
0.36	1.96568	0.14306	1.05610	0.92525
0.40	2.06645	0.05608	1.05642	0.93785
0.44	2.16716	-0.03319	1.05669	0.94829
0.48	2.26783	-0.12425	1.05691	0.95709
0.52	2.36846	-0.21668	1.05710	0.96459
0.56	2.46907	-0.31027	1.05726	0.97107
0.60	2.56966	-0.40462	1.05740	0.97672
0.64	2.67023	-0.49976	1.05753	0.98170
0.68	2.77079	-0.59550	1.05764	0.98610
0.72	2.87134	-0.69174	1.05774	0.99004
0.76	2.97188	-0.78842	1.05783	0.99358
0.80	3.07241	-0.88546	1.05791	0.99677
0.84	3.17293	-0.98282	1.05798	0.99967
0.86	3.22319	-1.03160	1.05801	1.00102
0.88	3.27344	-1.08045	1.05804	1.00231
0.90	3.32370	-1.12936	1.05807	1.00354
0.92	3.37395	-1.17832	1.05810	1.00473
0.94	3.42421	-1.22733	1.05813	1.00586
0.96	3.47446	-1.27640	1.05816	1.00695
0.98	3.52471	-1.32551	1.05818	1.00799
1.00	3.57496	-1.37466	1.05821	1.00900

TABLE 1 X and Y Functions

τ = .100

μ	$X_2^{(1)}$	$Y_2^{(1)}$	$X_2^{(2)}$	$Y_2^{(2)}$
0.00	1.00000	0.00000	1.00000	0.00000
0.01	1.01872	0.00862	1.01161	0.00632
0.02	1.03220	0.02480	1.02052	0.01978
0.03	1.04319	0.06340	1.02796	0.05545
0.04	1.05209	0.11866	1.03406	0.10793
0.05	1.05929	0.17962	1.03904	0.16643
0.06	1.06517	0.23976	1.04313	0.22443
0.07	1.07004	0.29617	1.04651	0.27900
0.08	1.07411	0.34785	1.04936	0.32910
0.09	1.07757	0.39470	1.05177	0.37458
0.10	1.08053	0.43701	1.05385	0.41569
0.11	1.08309	0.47519	1.05564	0.45282
0.12	1.08533	0.50970	1.05722	0.48639
0.14	1.08905	0.56933	1.05983	0.54446
0.16	1.09202	0.61883	1.06191	0.59270
0.18	1.09444	0.66043	1.06361	0.63326
0.20	1.09644	0.69581	1.06503	0.66776
0.22	1.09813	0.72621	1.06622	0.69742
0.24	1.09958	0.75261	1.06723	0.72318
0.26	1.10083	0.77572	1.06811	0.74574
0.28	1.10191	0.79611	1.06888	0.76565
0.30	1.10287	0.81423	1.06956	0.78335
0.32	1.10372	0.83044	1.07016	0.79918
0.34	1.10448	0.84502	1.07069	0.81342
0.36	1.10517	0.85820	1.07118	0.82629
0.40	1.10634	0.88110	1.07200	0.84866
0.44	1.10732	0.90031	1.07269	0.86743
0.48	1.10814	0.91664	1.07328	0.88339
0.52	1.10885	0.93070	1.07377	0.89713
0.56	1.10946	0.94293	1.07420	0.90908
0.60	1.10999	0.95367	1.07458	0.91958
0.64	1.11046	0.96316	1.07491	0.92886
0.68	1.11087	0.97162	1.07521	0.93713
0.72	1.11125	0.97920	1.07547	0.94454
0.76	1.11158	0.98604	1.07571	0.95122
0.80	1.11188	0.99223	1.07592	0.95728
0.84	1.11216	0.99787	1.07611	0.96279
0.86	1.11229	1.00051	1.07620	0.96537
0.88	1.11241	1.00303	1.07629	0.96783
0.90	1.11253	1.00544	1.07637	0.97019
0.92	1.11264	1.00776	1.07645	0.97246
0.94	1.11275	1.00998	1.07653	0.97463
0.96	1.11285	1.01212	1.07660	0.97672
0.98	1.11295	1.01417	1.07667	0.97873
1.00	1.11304	1.01614	1.07674	0.98066

Table 2. Moments

$$a_p^{(k)} = \int_0^1 X_2^{(k)}(t,\tau)t^p dt \quad ; \quad \beta_p^{(k)} = \int_0^1 Y_2^{(k)}(t,\tau)t^p dt$$

$$x_p^{(k)} = \int_0^1 \psi_k(t)\, X_2^{(k)}(t,\tau)t^p dt \quad ; \quad y_p^{(k)} = \int_0^1 \psi_k(t)\, Y_2^{(k)}(t,\tau)t^p dt$$

$(k = 1, 2, 3, 4)$

TABLE 2 Moments

k	τ	$a_0^{(k)}$	$a_1^{(k)}$	$a_2^{(k)}$	$a_3^{(k)}$
1	0 0 1	1 0 0 2 7 4	0 5 0 1 3 7	0 3 3 4 2 5	0 2 5 0 6 8
1	0 0 3	1 0 0 6 9 9	0 5 0 3 5 2	0 3 3 5 6 8	0 2 5 1 7 6
1	0 1 0	1 0 1 8 7 7	0 5 0 9 5 4	0 3 3 9 7 1	0 2 5 4 7 8
1	0 2 0	1 0 3 2 1 9	0 5 1 6 5 4	0 3 4 4 4 0	0 2 5 8 3 1
1	0 5 0	1 0 6 3 4 8	0 5 3 3 3 6	0 3 5 5 7 8	0 2 6 6 8 9
1	1 0 0	1 1 0 1 2 0	0 5 5 4 5 2	0 3 7 0 2 7	0 2 7 7 8 8
2	0 0 1	1 0 0 1 6 0	0 5 0 0 8 0	0 3 3 3 8 7	0 2 5 0 4 0
2	0 0 3	1 0 0 4 1 8	0 5 0 2 1 0	0 3 3 4 7 3	0 2 5 1 0 5
2	0 1 0	1 0 1 1 6 0	0 5 0 5 9 0	0 3 3 7 2 7	0 2 5 2 9 5
2	0 2 0	1 0 2 0 2 7	0 5 1 0 4 2	0 3 4 0 3 1	0 2 5 5 2 4
2	0 5 0	1 0 4 1 6 0	0 5 2 1 8 9	0 3 4 8 0 6	0 2 6 1 0 8
2	1 0 0	1 0 6 8 4 3	0 5 3 6 9 6	0 3 5 8 3 9	0 2 6 8 9 1
s	0 0 1	2 3 3 2 0 7	1 3 8 7 4 2	0 9 9 8 7 4	0 7 8 2 2 6
s	0 0 3	2 3 3 0 3 6	1 3 8 5 4 3	0 9 9 7 0 3	0 7 8 0 8 0
s	0 1 0	2 3 2 6 3 3	1 3 8 0 7 6	0 9 9 2 9 9	0 7 7 7 3 6
s	0 2 0	2 3 2 2 5 2	1 3 7 6 3 8	0 9 8 9 1 9	0 7 7 4 1 0
s	0 5 0	2 3 1 5 5 2	1 3 6 8 3 9	0 9 8 2 1 8	0 7 6 8 0 7
s	1 0 0	2 3 0 9 5 7	1 3 6 1 6 9	0 9 7 6 2 3	0 7 6 2 9 1
4	0 0 1	1 0 0 2 5 6	0 5 0 1 2 8	0 3 3 4 1 9	0 2 5 0 6 4
4	0 0 3	1 0 0 6 4 3	0 5 0 3 2 4	0 3 3 5 4 9	0 2 5 1 6 2
4	0 1 0	1 0 1 6 9 1	0 5 0 8 5 9	0 3 3 9 0 7	0 2 5 4 3 1
4	0 2 0	1 0 2 8 5 3	0 5 1 4 6 5	0 3 4 3 1 4	0 2 5 7 3 6
4	0 5 0	1 0 5 4 3 8	0 5 2 8 5 5	0 3 5 2 5 4	0 2 6 4 4 5
4	1 0 0	1 0 8 3 6 8	0 5 4 4 9 9	0 3 6 3 8 0	0 2 7 2 9 9

TABLE 2 Moments (Continued)

k	τ	α_4	α_5	α_6	α_7
1	0 0 1	0 2 0 0 5 5	0 1 6 7 1 2	0 1 4 3 2 5	0 1 2 5 3 4
1	0 0 3	0 2 0 1 4 1	0 1 6 7 8 4	0 1 4 3 8 6	0 1 2 5 8 8
1	0 1 0	0 2 0 3 8 3	0 1 6 9 8 6	0 1 4 5 5 9	0 1 2 7 3 9
1	0 2 0	0 2 0 6 6 5	0 1 7 2 2 1	0 1 4 7 6 1	0 1 2 9 1 6
1	0 5 0	0 2 1 3 5 3	0 1 7 7 9 6	0 1 5 2 5 4	0 1 3 3 4 8
1	1 0 0	0 2 2 2 3 8	0 1 8 5 3 5	0 1 5 8 8 9	0 1 3 9 0 4
2	0 0 1	0 2 0 0 3 2	0 1 6 6 9 3	0 1 4 3 0 8	0 1 2 5 2 0
2	0 0 3	0 2 0 0 8 4	0 1 6 7 3 7	0 1 4 3 4 6	0 1 2 5 5 2
2	0 1 0	0 2 0 2 3 6	0 1 6 8 6 4	0 1 4 4 5 4	0 1 2 6 4 8
2	0 2 0	0 2 0 4 1 9	0 1 7 0 1 6	0 1 4 5 8 5	0 1 2 7 6 2
2	0 5 0	0 2 0 8 8 8	0 1 7 4 0 8	0 1 4 9 2 1	0 1 3 0 5 6
2	1 0 0	0 2 1 5 1 8	0 1 7 9 3 4	0 1 5 3 7 4	0 1 3 4 5 3
s	0 0 1	0 6 4 3 5 2	0 5 4 6 8 0	0 4 7 5 4 7	0 4 2 0 6 4
s	0 0 3	0 6 4 2 2 6	0 5 4 5 7 0	0 4 7 4 4 9	0 4 1 9 7 6
s	0 1 0	0 6 3 9 2 8	0 5 4 3 0 9	0 4 7 2 1 6	0 4 1 7 6 7
s	0 2 0	0 6 3 6 4 6	0 5 4 0 6 0	0 4 6 9 9 4	0 4 1 5 6 7
s	0 5 0	0 6 3 1 2 2	0 5 3 5 9 9	0 4 6 5 8 3	0 4 1 1 9 7
s	1 0 0	0 6 2 6 7 0	0 5 3 1 9 9	0 4 6 2 2 6	0 4 0 8 7 3
4	0 0 1	0 2 0 0 5 1	0 1 6 7 0 9	0 1 4 3 2 2	0 1 2 5 3 2
4	0 0 3	0 2 0 1 2 9	0 1 6 7 7 4	0 1 4 3 7 8	0 1 2 5 8 1
4	0 1 0	0 2 0 3 4 4	0 1 6 9 5 4	0 1 4 5 3 2	0 1 2 7 1 5
4	0 2 0	0 2 0 5 8 9	0 1 7 1 5 8	0 1 4 7 0 7	0 1 2 8 6 9
4	0 5 0	0 2 1 1 5 8	0 1 7 6 3 2	0 1 5 1 1 4	0 1 3 2 2 5
4	1 0 0	0 2 1 8 4 5	0 1 8 2 0 7	0 1 5 6 0 6	0 1 3 6 5 8

TABLE 2 Moments (Continued)

k	τ	β_0	β_1	β_2	β_3
1	0.01	0.99541	0.50038	0.33375	0.25035
1	0.03	0.98829	0.50055	0.33418	0.25076
1	0.10	0.96836	0.49980	0.33475	0.25147
1	0.20	0.94530	0.49753	0.33462	0.25177
1	0.50	0.88979	0.48786	0.33172	0.25068
1	1.00	0.81894	0.46929	0.32384	0.24633
2	0.01	0.99427	0.49981	0.33337	0.25006
2	0.03	0.98548	0.49913	0.33324	0.25005
2	0.10	0.96122	0.49616	0.33232	0.24964
2	0.20	0.93367	0.49152	0.33062	0.24877
2	0.50	0.86865	0.47659	0.32411	0.24495
2	1.00	0.78843	0.45244	0.31235	0.23763
s	0.01	-0.32913	-0.38326	-0.32913	-0.28001
s	0.03	-0.32315	-0.37534	-0.32315	-0.27527
s	0.10	-0.30787	-0.35546	-0.30787	-0.26310
s	0.20	-0.29182	-0.33493	-0.29182	-0.25024
s	0.50	-0.25733	-0.29172	-0.25733	-0.22237
s	1.00	-0.21919	-0.24527	-0.21919	-0.19115
4	0.01	0.99523	0.50029	0.33369	0.25030
4	0.03	0.98773	0.50027	0.33400	0.25062
4	0.10	0.96649	0.49885	0.33411	0.25099
4	0.20	0.94152	0.49560	0.33333	0.25079
4	0.50	0.88072	0.48306	0.32848	0.24824
4	1.00	0.80159	0.45982	0.31740	0.24146

TABLE 2 Moments (Continued)

k	τ	β_4	β_5	β_6	β_7
1	001	0.20030	0.16692	0.14308	0.12520
1	003	0.20066	0.16724	0.14336	0.12545
1	010	0.20134	0.16786	0.14393	0.12597
1	020	0.20174	0.16828	0.14433	0.12634
1	050	0.20133	0.16817	0.14438	0.12647
1	100	0.19853	0.16620	0.14290	0.12531
2	001	0.20007	0.16673	0.14292	0.12505
2	003	0.20009	0.16677	0.14296	0.12509
2	010	0.19988	0.16665	0.14289	0.12505
2	020	0.19935	0.16629	0.14263	0.12486
2	050	0.19673	0.16434	0.14108	0.12359
2	100	0.19154	0.16036	0.13788	0.12091
s	001	-0.24170	-0.21195	-0.18844	-0.16950
s	003	-0.23778	-0.20861	-0.18554	-0.16692
s	010	-0.22771	-0.20002	-0.17806	-0.16030
s	020	-0.21703	-0.19091	-0.17012	-0.15326
s	050	-0.19380	-0.17104	-0.15277	-0.13788
s	100	-0.16760	-0.14854	-0.13307	-0.12038
4	001	0.20026	0.16689	0.14305	0.12517
4	003	0.20054	0.16714	0.14328	0.12538
4	010	0.20096	0.16755	0.14366	0.12573
4	020	0.20096	0.16763	0.14377	0.12586
4	050	0.19937	0.16654	0.14298	0.12525
4	100	0.19463	0.16294	0.14009	0.12286

TABLE 2 Moments (Continued)

k	τ	x_0	x_1	x_2	x_3
1	0.01	0.35096	0.15668	0.09311	0.06267
1	0.03	0.35244	0.15735	0.09351	0.06294
1	0.10	0.35656	0.15923	0.09463	0.06369
1	0.20	0.36123	0.16140	0.09593	0.06457
1	0.50	0.37207	0.16662	0.09908	0.06670
1	1.00	0.38502	0.17313	0.10307	0.06942
2	0.01	0.35056	0.21910	0.16455	0.13302
2	0.03	0.35147	0.21967	0.16497	0.13337
2	0.10	0.35409	0.22133	0.16623	0.13438
2	0.20	0.35720	0.22332	0.16773	0.13559
2	0.50	0.36499	0.22840	0.17157	0.13871
2	1.00	0.37507	0.23515	0.17672	0.14290
s	0.01	1.00000	0.45387	0.26641	0.17659
s	0.03	1.00000	0.45347	0.26607	0.17632
s	0.10	1.00000	0.45254	0.26528	0.17570
s	0.20	1.00000	0.45171	0.26454	0.17512
s	0.50	1.00000	0.45023	0.26322	0.17406
s	1.00	1.00000	0.44908	0.26214	0.17318
4	0.01	0.25063	0.09399	0.05012	0.03133
4	0.03	0.25160	0.09435	0.05032	0.03145
4	0.10	0.25418	0.09535	0.05086	0.03178
4	0.20	0.25702	0.09648	0.05146	0.03216
4	0.50	0.26319	0.09903	0.05285	0.03304
4	1.00	0.26995	0.10200	0.05450	0.03409

TABLE 2 Moments (Continued)

k	τ	y_o	y_1		
1	0 0 1	0 3 4 8 2 1	0 1 5 6 3 3	0 0 9 2 9 5	0 0 6 2 5 7
1	0 0 3	0 3 4 5 4 3	0 1 5 6 3 1	0 0 9 3 0 4	0 0 6 2 6 6
1	0 1 0	0 3 3 7 6 5	0 1 5 5 8 2	0 0 9 3 0 8	0 0 6 2 7 7
1	0 2 0	0 3 2 8 6 7	0 1 5 4 7 7	0 0 9 2 8 8	0 0 6 2 7 5
1	0 5 0	0 3 0 7 0 7	0 1 5 0 8 2	0 0 9 1 6 0	0 0 6 2 2 1
1	1 0 0	0 2 7 9 6 4	0 1 4 3 7 0	0 0 8 8 7 1	0 0 6 0 7 1
2	0 0 1	0 3 4 8 9 5	0 2 1 8 7 5	0 1 6 4 3 3	0 1 3 2 8 6
2	0 0 3	0 3 4 7 2 6	0 2 1 8 6 2	0 1 6 4 3 2	0 1 3 2 8 8
2	0 1 0	0 3 4 2 3 2	0 2 1 7 8 9	0 1 6 4 0 5	0 1 3 2 7 5
2	0 2 0	0 3 3 6 4 2	0 2 1 6 6 3	0 1 6 3 4 9	0 1 3 2 4 1
2	0 5 0	0 3 2 1 3 0	0 2 1 2 0 3	0 1 6 1 0 0	0 1 3 0 7 3
2	1 0 0	0 3 0 0 8 7	0 2 0 4 0 1	0 1 5 6 2 4	0 1 2 7 3 6
s	0 0 1	0 0 0 0 0 0	- 0 0 7 7 4 3	- 0 0 6 5 5 7	- 0 0 5 1 0 4
s	0 0 3	0 0 0 0 0 0	- 0 0 7 5 0 5	- 0 0 6 4 0 2	- 0 0 4 9 9 9
s	0 1 0	0 0 0 0 0 0	- 0 0 6 9 2 6	- 0 0 6 0 1 2	- 0 0 4 7 3 0
s	0 2 0	0 0 0 0 0 0	- 0 0 6 3 5 1	- 0 0 5 6 0 9	- 0 0 4 4 4 9
s	0 5 0	0 0 0 0 0 0	- 0 0 5 2 0 0	- 0 0 4 7 6 4	- 0 0 3 8 4 9
s	1 0 0	0 0 0 0 0 0	- 0 0 4 0 5 9	- 0 0 3 8 6 9	- 0 0 3 1 9 5
4	0 0 1	0 2 4 8 0 7	0 0 9 3 7 4	0 0 5 0 0 3	0 0 3 1 2 8
4	0 0 3	0 2 4 5 1 4	0 0 9 3 6 1	0 0 5 0 0 4	0 0 3 1 3 0
4	0 1 0	0 2 3 7 1 4	0 0 9 2 9 4	0 0 4 9 9 3	0 0 3 1 2 9
4	0 2 0	0 2 2 8 0 7	0 0 9 1 8 0	0 0 4 9 6 3	0 0 3 1 1 8
4	0 5 0	0 2 0 7 0 8	0 0 8 8 0 5	0 0 4 8 4 1	0 0 3 0 6 3
4	1 0 0	0 1 8 1 5 7	0 0 8 1 8 8	0 0 4 6 0 4	0 0 2 9 4 4

Table 3. Scattering Functions

$$\psi(\mu,\tau) = \mu[\nu_1 Y^{(s)} - \nu_2 X^{(s)}], \quad \xi(\mu,\tau) = \mu[\nu_2 Y^{(s)} - \nu_1 X^{(s)}]$$

$$\varphi(\mu,\tau) = (1 + \mu\nu_4)X^{(s)} - \mu\nu_3 Y^{(s)}, \quad \eta(\mu,\tau) = (1 - \mu\nu_4)Y^{(s)} + \mu\nu_3 X^{(s)}$$

$$\zeta(\mu,\tau) = \tfrac{1}{2}\mu[\nu_1 Y^{(4)} - \nu_2 X^{(4)}] + s\mu^2[X^{(4)} - Y^{(4)}]$$

$$\theta(\mu,\tau) = \tfrac{1}{2}\mu[\nu_2 Y^{(4)} - \nu_1 X^{(4)}] - s\mu^2[X^{(4)} - Y^{(4)}]$$

$$\chi(\mu,\tau) = (1 - \mu u_4)X^{(4)} + \mu u_3 Y^{(4)} + t\mu^2[X^{(4)} - Y^{(4)}]$$

$$\sigma(\mu,\tau) = (1 + \mu u_4)Y^{(4)} - \mu u_3 X^{(4)} - t\mu^2[X^{(4)} - Y^{(4)}]$$

$$\gamma_\ell(\mu,\tau) = a[X^{(s)} + Y^{(s)}], \quad \gamma_r(\mu,\tau) = b[X^{(4)} + Y^{(4)}] - \mu c[X^{(4)} - Y^{(4)}]$$

In the above $X^{(k)}$ and $Y^{(k)}$ are abbreviations for $X_2^{(k)}(\mu,\tau)$ and $Y_2^{(k)}(\mu,\tau)$. The coefficients of $X^{(k)}$ and $Y^{(k)}$ are defined and tabulated in Table 4.

TABLE 3 Scattering Function.
τ = .001

μ	ψ	φ	ξ	η
0.00	0.00000	1.00000	0.00000	0.00000
0.02	0.00058	1.00435	0.00056	0.95578
0.04	0.00178	1.00310	0.00174	0.97885
0.06	0.00379	1.00101	0.00373	0.98515
0.08	0.00659	0.99810	0.00651	0.98658
0.10	0.01020	0.99439	0.01010	0.98558
0.12	0.01460	0.99888	0.01448	0.98294
0.14	0.01981	0.98456	0.01967	0.97904
0.16	0.02582	0.97844	0.02566	0.97403
0.18	0.03262	0.97152	0.03244	0.96803
0.20	0.04023	0.96379	0.04003	0.96108
0.24	0.05786	0.94593	0.05762	0.94451
0.28	0.07868	0.92486	0.07840	0.92449
0.32	0.10271	0.90058	0.10239	0.90112
0.36	0.12995	0.87309	0.12959	0.87443
0.40	0.16038	0.84240	0.15998	0.84447
0.44	0.19403	0.80849	0.19359	0.81124
0.48	0.23087	0.77137	0.23039	0.77477
0.52	0.27092	0.73104	0.27040	0.73506
0.56	0.31418	0.68750	0.31362	0.69211
0.60	0.36064	0.64075	0.36004	0.64594
0.64	0.41030	0.59080	0.40966	0.59655
0.68	0.46316	0.53763	0.46248	0.54393
0.72	0.51923	0.48125	0.51851	0.48809
0.76	0.57851	0.42167	0.57775	0.42904
0.80	0.64099	0.35887	0.64019	0.36676
0.84	0.70667	0.29287	0.70583	0.30128
0.88	0.77556	0.22365	0.77468	0.23257
0.90	0.81120	0.18784	0.81030	0.19702
0.92	0.84765	0.15123	0.84673	0.16066
0.94	0.88489	0.11381	0.88395	0.12349
0.96	0.92294	0.07559	0.92198	0.08552
0.98	0.96179	0.03657	0.96081	0.04675
1.00	1.00144	0.00010	1.00044	0.00718

TABLE 3 Scattering Functions (Continued)

τ = .001

μ	ζ	θ	χ	σ
0.00	0.00000	0.00000	1.00000	0.00000
0.02	0.00009	0.00009	1.00279	0.95401
0.04	0.00009	0.00009	1.00282	0.97812
0.06	0.00009	0.00009	1.00283	0.98630
0.08	0.00009	0.00009	1.00283	0.99041
0.10	0.00009	0.00009	1.00284	0.99289
0.12	0.00009	0.00009	1.00284	0.99454
0.14	0.00009	0.00009	1.00284	0.99572
0.16	0.00009	0.00009	1.00284	0.99661
0.18	0.00009	0.00009	1.00284	0.99730
0.20	0.00009	0.00009	1.00284	0.99786
0.24	0.00009	0.00009	1.00285	0.99869
0.28	0.00009	0.00009	1.00285	0.99928
0.32	0.00009	0.00009	1.00285	0.99973
0.36	0.00009	0.00009	1.00285	1.00007
0.40	0.00009	0.00009	1.00285	1.00035
0.44	0.00009	0.00009	1.00285	1.00058
0.48	0.00009	0.00009	1.00285	1.00077
0.52	0.00009	0.00009	1.00285	1.00093
0.56	0.00009	0.00009	1.00285	1.00106
0.60	0.00009	0.00009	1.00285	1.00118
0.64	0.00009	0.00009	1.00285	1.00129
0.68	0.00009	0.00009	1.00285	1.00138
0.72	0.00009	0.00009	1.00285	1.00146
0.76	0.00009	0.00009	1.00285	1.00153
0.80	0.00009	0.00009	1.00285	1.00160
0.84	0.00009	0.00009	1.00285	1.00166
0.88	0.00009	0.00009	1.00285	1.00171
0.90	0.00009	0.00009	1.00285	1.00174
0.92	0.00009	0.00009	1.00285	1.00176
0.94	0.00009	0.00009	1.00285	1.00179
0.96	0.00009	0.00009	1.00285	1.00181
0.98	0.00009	0.00009	1.00285	1.00183
1.00	0.00009	0.00009	1.00285	1.00185

TABLE 3 Scattering Functions (Continued)

	τ = .001		τ = .003	
μ	Υ_ℓ	Υ_r	Υ_ℓ	Υ_r
0.00	0.49812	0.49877	0.49452	0.49646
0.02	0.97695	0.97609	0.93219	0.93082
0.04	0.98901	0.98813	0.96579	0.96436
0.06	0.99310	0.99222	0.97756	0.97611
0.08	0.99515	0.99427	0.98356	0.98210
0.10	0.99639	0.99551	0.98719	0.98573
0.12	0.99722	0.99633	0.98963	0.98816
0.14	0.99781	0.99692	0.99138	0.98991
0.16	0.99825	0.99737	0.99269	0.99122
0.18	0.99860	0.99771	0.99372	0.99225
0.20	0.99888	0.99799	0.99454	0.99307
0.24	0.99929	0.99840	0.99577	0.99430
0.28	0.99959	0.99870	0.99666	0.99518
0.32	0.99981	0.99892	0.99732	0.99585
0.36	0.99999	0.99910	0.99784	0.99636
0.40	1.00012	0.99924	0.99825	0.99678
0.44	1.00024	0.99935	0.99859	0.99711
0.48	1.00033	0.99944	0.99888	0.99740
0.52	1.00041	0.99952	0.99912	0.99764
0.56	1.00048	0.99959	0.99932	0.99784
0.60	1.00054	0.99965	0.99950	0.99802
0.64	1.00059	0.99970	0.99965	0.99817
0.68	1.00064	0.99975	0.99979	0.99831
0.72	1.00068	0.99979	0.99991	0.99843
0.76	1.00072	0.99983	1.00002	0.99854
0.80	1.00075	0.99986	1.00012	0.99864
0.84	1.00078	0.99989	1.00021	0.99873
0.88	1.00081	0.99992	1.00029	0.99881
0.90	1.00082	0.99993	1.00033	0.99885
0.92	1.00083	0.99994	1.00037	0.99889
0.94	1.00084	0.99995	1.00040	0.99892
0.96	1.00085	0.99996	1.00043	0.99895
0.98	1.00086	0.99997	1.00047	0.99899
1.00	1.00087	0.99998	1.00050	0.99902

TABLE 3 Scattering Functions (Continued)

τ = .003

μ	ψ	φ	ξ	η
0.00	0.00000	1.00000	0.00000	0.00000
0.02	0.00093	1.01119	0.00087	0.87201
0.04	0.00215	1.01027	0.00204	0.93848
0.06	0.00417	1.00827	0.00400	0.96028
0.08	0.00699	1.00540	0.00675	0.96967
0.10	0.01061	1.00170	0.01031	0.97350
0.12	0.01504	0.99717	0.01468	0.97413
0.14	0.02026	0.99182	0.01985	0.97256
0.16	0.02630	0.98567	0.02582	0.96931
0.18	0.03313	0.97870	0.03260	0.96468
0.20	0.04077	0.97092	0.04018	0.95882
0.24	0.05847	0.95293	0.05775	0.94387
0.28	0.07938	0.93170	0.07854	0.92497
0.32	0.10351	0.90724	0.10255	0.90241
0.36	0.13085	0.87954	0.12977	0.87631
0.40	0.16141	0.84861	0.16021	0.84677
0.44	0.19519	0.81445	0.19387	0.81385
0.48	0.23219	0.77705	0.23075	0.77759
0.52	0.27240	0.73642	0.27084	0.73800
0.56	0.31583	0.69256	0.31415	0.69511
0.60	0.36247	0.64546	0.36067	0.64894
0.64	0.41234	0.59513	0.41042	0.59948
0.68	0.46542	0.54157	0.46338	0.54676
0.72	0.52171	0.48477	0.51955	0.49078
0.76	0.58123	0.42474	0.57895	0.43153
0.80	0.64396	0.36148	0.64156	0.36903
0.84	0.70991	0.29498	0.70739	0.30328
0.88	0.77907	0.22526	0.77643	0.23428
0.90	0.81486	0.18918	0.81316	0.19856
0.92	0.85145	0.15229	0.84869	0.16203
0.94	0.88885	0.11460	0.88603	0.12469
0.96	0.92705	0.07610	0.92417	0.08654
0.98	0.96606	0.03679	0.96312	0.04758
1.00	1.00587	0.00030	1.00287	0.00780

TABLE 3 Scattering Functions (Continued)

τ = .003

μ	ζ	θ	χ	σ
0 0	0 0 0 0 0 0	0 0 0 0 0 0	1 0 0 0 0 0	0 0 0 0 0 0
0 2	0 0 0 0 2 6	0 0 0 0 2 6	1 0 0 6 8 7	0 8 6 7 5 0
0 4	0 0 0 0 2 7	0 0 0 0 2 7	1 0 0 7 1 0	0 9 3 4 8 1
0 6	0 0 0 0 2 7	0 0 0 0 2 7	1 0 0 7 1 8	0 9 5 8 3 9
0 8	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 2 3	0 9 7 0 4 0
1 0	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 2 5	0 9 7 7 6 8
1 2	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 2 7	0 9 8 2 5 6
1 4	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 2 8	0 9 8 6 0 7
1 6	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 2 9	0 9 8 8 7 0
1 8	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 0	0 9 9 0 7 6
2 0	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 0	0 9 9 2 4 1
2 4	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 1	0 9 9 4 8 8
2 8	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 2	0 9 9 6 6 5
3 2	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 2	0 9 9 7 9 8
3 6	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 2	0 9 9 9 0 2
4 0	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 3	0 9 9 9 8 5
4 4	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 3	1 0 0 0 5 3
4 8	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 3	1 0 0 1 1 0
5 2	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 3	1 0 0 1 5 8
5 6	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 3	1 0 0 1 9 9
6 0	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 3	1 0 0 2 3 5
6 4	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 2 6 6
6 8	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 2 9 3
7 2	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 3 1 8
7 6	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 3 4 0
8 0	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 3 6 0
8 4	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 3 7 7
8 8	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 3 9 4
9 0	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 4 0 1
9 2	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 4 0 8
9 4	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 4 1 5
9 6	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 4 2 2
9 8	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 4 2 8
1 0 0	0 0 0 0 2 8	0 0 0 0 2 8	1 0 0 7 3 4	1 0 0 4 3 5

TABLE 3 Scattering Functions (Continued)

	τ = .010		τ = .020	
μ	γ_ℓ	γ_r	γ_ℓ	γ_r
0.00	0.48292	0.48961	0.47088	0.48180
0.02	0.80273	0.80293	0.78089	0.78208
0.04	0.88925	0.88930	0.86217	0.86265
0.06	0.92317	0.92320	0.89764	0.89795
0.08	0.94121	0.94122	0.91895	0.91920
0.10	0.95239	0.95240	0.93201	0.93222
0.12	0.96000	0.96001	0.94094	0.94113
0.14	0.96552	0.96552	0.94717	0.94735
0.16	0.96969	0.96970	0.95181	0.95198
0.18	0.97297	0.97297	0.95540	0.95556
0.20	0.97561	0.97561	0.95821	0.95836
0.24	0.97959	0.97959	0.96284	0.96298
0.28	0.98245	0.98245	0.96637	0.96650
0.32	0.98461	0.98461	0.96956	0.96968
0.36	0.98630	0.98630	0.97284	0.97295
0.40	0.98765	0.98765	0.97549	0.97559
0.44	0.98876	0.98876	0.97766	0.97776
0.48	0.98969	0.98969	0.97948	0.97957
0.52	0.99047	0.99047	0.98102	0.98111
0.56	0.99115	0.99115	0.98235	0.98244
0.60	0.99173	0.99173	0.98350	0.98358
0.64	0.99225	0.99225	0.98451	0.98459
0.68	0.99270	0.99270	0.98539	0.98548
0.72	0.99310	0.99310	0.98618	0.98627
0.76	0.99346	0.99346	0.98688	0.98698
0.80	0.99379	0.99379	0.98751	0.98761
0.84	0.99408	0.99408	0.98808	0.98819
0.88	0.99435	0.99435	0.98859	0.98871
0.90	0.99447	0.99447	0.98883	0.98896
0.92	0.99459	0.99459	0.98905	0.98919
0.94	0.99471	0.99471	0.98927	0.98942
0.96	0.99482	0.99482	0.98947	0.98963
0.98	0.99492	0.99492	0.98966	0.98984
1.00	0.99502	0.99502	0.98985	0.99004

TABLE 3 Scattering Functions (Continued)

τ = .010

μ	ψ	φ	ξ	η
0.00	0.00000	1.00000	0.00000	0.00000
0.02	0.00194	1.02660	0.00178	0.63183
0.04	0.00336	1.02830	0.00300	0.80664
0.06	0.00546	1.02732	0.00491	0.87379
0.08	0.00835	1.02500	0.00759	0.90781
0.10	0.01203	1.02163	0.01108	0.92707
0.12	0.01653	1.01732	0.01537	0.93823
0.14	0.02183	1.01213	0.02048	0.94429
0.16	0.02795	1.00606	0.02639	0.94681
0.18	0.03488	0.99914	0.03312	0.94666
0.20	0.04262	0.99138	0.04067	0.94439
0.24	0.06055	0.97334	0.05819	0.93473
0.28	0.08173	0.95195	0.07897	0.91950
0.32	0.10617	0.92725	0.10301	0.89953
0.36	0.13387	0.89922	0.13031	0.87529
0.40	0.16482	0.86788	0.16087	0.84706
0.44	0.19904	0.83323	0.19468	0.81504
0.48	0.23651	0.79527	0.23175	0.77935
0.52	0.27724	0.75401	0.27208	0.74006
0.56	0.32123	0.70943	0.31567	0.69724
0.60	0.36847	0.66155	0.36251	0.65093
0.64	0.41898	0.61037	0.41262	0.60118
0.68	0.47274	0.55587	0.46598	0.54799
0.72	0.52976	0.49808	0.52260	0.49141
0.76	0.59004	0.43698	0.58248	0.43143
0.80	0.65358	0.37257	0.64562	0.36808
0.84	0.72038	0.30486	0.71201	0.30136
0.88	0.79043	0.23384	0.78167	0.23128
0.90	0.82668	0.19710	0.81772	0.19498
0.92	0.86375	0.15952	0.85458	0.15785
0.94	0.90163	0.12112	0.89226	0.11988
0.96	0.94032	0.08190	0.93075	0.08108
0.98	0.97983	0.04185	0.97006	0.04144
1.00	1.02015	0.00097	1.01018	0.00097

TABLE 3 Scattering Functions (Continued)

τ = .010

μ	ζ	θ	χ	σ
0.00	0.00000	0.00000	1.00000	0.00000
0.02	0.00077	0.00076	1.01631	0.62210
0.04	0.00086	0.00086	1.01812	0.79651
0.06	0.00090	0.00090	1.01879	0.86498
0.08	0.00091	0.00091	1.01914	0.90142
0.10	0.00093	0.00093	1.01935	0.92401
0.12	0.00093	0.00093	1.01950	0.93939
0.14	0.00094	0.00094	1.01960	0.95053
0.16	0.00094	0.00094	1.01968	0.95898
0.18	0.00095	0.00095	1.01974	0.96560
0.20	0.00095	0.00095	1.01979	0.97093
0.24	0.00095	0.00095	1.01986	0.97898
0.28	0.00096	0.00096	1.01992	0.98477
0.32	0.00096	0.00096	1.01996	0.98913
0.36	0.00096	0.00096	1.01999	0.99254
0.40	0.00096	0.00096	1.02001	0.99528
0.44	0.00096	0.00096	1.02003	0.99752
0.48	0.00096	0.00096	1.02005	0.99940
0.52	0.00096	0.00096	1.02007	1.00098
0.56	0.00096	0.00096	1.02008	1.00235
0.60	0.00096	0.00096	1.02009	1.00353
0.64	0.00097	0.00096	1.02010	1.00457
0.68	0.00097	0.00097	1.02011	1.00548
0.72	0.00097	0.00097	1.02011	1.00630
0.76	0.00097	0.00097	1.02012	1.00703
0.80	0.00097	0.00097	1.02013	1.00768
0.84	0.00097	0.00097	1.02013	1.00828
0.88	0.00097	0.00097	1.02014	1.00882
0.90	0.00097	0.00097	1.02014	1.00907
0.92	0.00097	0.00097	1.02014	1.00931
0.94	0.00097	0.00097	1.02014	1.00954
0.96	0.00097	0.00097	1.02015	1.00976
0.98	0.00097	0.00097	1.02015	1.00998
1.00	0.00097	0.00097	1.02015	1.01018

TABLE 3 Scattering Functions (Continued)

	τ = .050		τ = .100	
μ	Y_ℓ	Y_x	Y_ℓ	Y_x
0.00	0.44340	0.46291	0.41013	0.43832
0.02	0.52231	0.52863	0.45145	0.46725
0.04	0.63547	0.63808	0.51160	0.52051
0.06	0.71314	0.71453	0.57627	0.58173
0.08	0.76507	0.76592	0.63110	0.63472
0.10	0.80153	0.80210	0.67530	0.67785
0.12	0.82838	0.82878	0.71088	0.71275
0.14	0.84890	0.84920	0.73983	0.74125
0.16	0.86509	0.86531	0.76373	0.76483
0.18	0.87816	0.87834	0.78373	0.78459
0.20	0.88893	0.88908	0.80068	0.80137
0.24	0.90565	0.90574	0.82781	0.82826
0.28	0.91800	0.91806	0.84852	0.84882
0.32	0.92750	0.92754	0.86483	0.86502
0.36	0.93503	0.93506	0.87799	0.87811
0.40	0.94115	0.94117	0.88883	0.88890
0.44	0.94621	0.94622	0.89791	0.89794
0.48	0.95048	0.95048	0.90563	0.90562
0.52	0.95412	0.95411	0.91227	0.91224
0.56	0.95726	0.95725	0.91804	0.91799
0.60	0.96000	0.95999	0.92310	0.92303
0.64	0.96240	0.96239	0.92757	0.92749
0.68	0.96454	0.96453	0.93156	0.93147
0.72	0.96645	0.96643	0.93513	0.93503
0.76	0.96816	0.96814	0.93835	0.93824
0.80	0.96971	0.96969	0.94126	0.94115
0.84	0.97111	0.97109	0.94392	0.94379
0.88	0.97239	0.97237	0.94634	0.94621
0.90	0.97299	0.97297	0.94748	0.94735
0.92	0.97356	0.97354	0.94857	0.94843
0.94	0.97411	0.97409	0.94961	0.94948
0.96	0.97463	0.97461	0.95062	0.95048
0.98	0.97514	0.97512	0.95158	0.95144
1.00	0.97563	0.97560	0.95251	0.95237

TABLE 3 Scattering Functions (Continued)

τ = .050

μ	ψ	φ	ξ	η
0.00	0.00000	1.00000	0.00000	0.00000
0.02	0.00296	1.03832	0.00269	0.40188
0.04	0.00482	1.04501	0.00417	0.64933
0.06	0.00713	1.04614	0.00610	0.76166
0.08	0.01015	1.04493	0.00872	0.82360
0.10	0.01394	1.04223	0.01212	0.86153
0.12	0.01853	1.03834	0.01631	0.88601
0.14	0.02393	1.03340	0.02131	0.90204
0.16	0.03015	1.02749	0.02713	0.91228
0.18	0.03718	1.02064	0.03376	0.91828
0.20	0.04504	1.01289	0.04122	0.92102
0.24	0.06321	0.99473	0.05859	0.91901
0.28	0.08468	0.97308	0.07925	0.90929
0.32	0.10944	0.94798	0.10322	0.89343
0.36	0.13750	0.91946	0.13047	0.87233
0.40	0.16886	0.88753	0.16103	0.84652
0.44	0.20352	0.85219	0.19489	0.81637
0.48	0.24148	0.81346	0.23204	0.78211
0.52	0.28274	0.77134	0.27250	0.74390
0.56	0.32730	0.72582	0.31626	0.70187
0.60	0.37516	0.67692	0.36332	0.65609
0.64	0.42632	0.62464	0.41367	0.60664
0.68	0.48078	0.56897	0.46733	0.55356
0.72	0.53854	0.50992	0.52429	0.49691
0.76	0.59960	0.44750	0.58455	0.43670
0.80	0.66396	0.38169	0.64811	0.37296
0.84	0.73162	0.31250	0.71496	0.30571
0.88	0.80258	0.23993	0.78512	0.23498
0.90	0.83929	0.20238	0.82143	0.19831
0.92	0.87683	0.16399	0.85857	0.16078
0.94	0.91519	0.12476	0.89653	0.12237
0.96	0.95438	0.08467	0.93532	0.08311
0.98	0.99439	0.04375	0.97493	0.04298
1.00	1.03523	0.00198	1.01536	0.00199

TABLE 3 Scattering Functions (Continued)

τ = .020

μ	ζ	θ	χ	σ
0.00	0.000000	0.000000	1.000000	0.000000
0.02	0.001227	0.001226	1.023882	0.038938
0.04	0.001588	0.001587	1.028888	0.063396
0.06	0.001771	0.001770	1.030993	0.074643
0.08	0.001778	0.001777	1.032004	0.081005
0.10	0.001882	0.001882	1.032773	0.085083
0.12	0.001885	0.001884	1.033321	0.087917
0.14	0.001887	0.001887	1.033555	0.089999
0.16	0.001889	0.001888	1.033782	0.091594
0.18	0.001890	0.001890	1.034002	0.092854
0.20	0.001891	0.001891	1.034119	0.093874
0.24	0.001892	0.001892	1.034444	0.095427
0.28	0.001893	0.001893	1.034662	0.096552
0.32	0.001894	0.001894	1.034776	0.097404
0.36	0.001895	0.001894	1.034886	0.098073
0.40	0.001896	0.001895	1.034895	0.098611
0.44	0.001896	0.001895	1.035002	0.099053
0.48	0.001897	0.001895	1.035008	0.099423
0.52	0.001897	0.001895	1.035113	0.099737
0.56	0.001897	0.001895	1.035117	1.000006
0.60	0.001898	0.001895	1.035121	1.000240
0.64	0.001898	0.001895	1.035125	1.000445
0.68	0.001898	0.001895	1.035128	1.000626
0.72	0.001898	0.001895	1.035131	1.000787
0.76	0.001899	0.001895	1.035133	1.000931
0.80	0.001899	0.001895	1.035135	1.001061
0.84	0.001899	0.001896	1.035137	1.001179
0.88	0.001899	0.001896	1.035139	1.001285
0.90	0.001899	0.001896	1.035140	1.001335
0.92	0.001899	0.001897	1.035140	1.001383
0.94	0.001899	0.001897	1.035141	1.001428
0.96	0.001899	0.001898	1.035141	1.001472
0.98	0.001899	0.001898	1.035142	1.001514
1.00	0.001898	0.001899	1.035142	1.001555

TABLE 3 Scattering Functions (Continued)

τ = .050

μ	ψ	φ	ξ	η
0.00	0.00000	1.00000	0.00000	0.00000
0.02	0.00944	1.05101	0.00391	0.11821
0.04	0.00797	1.07146	0.00659	0.34657
0.06	0.01112	1.08037	0.00897	0.50697
0.08	0.01477	1.08391	0.01168	0.61389
0.10	0.01904	1.08432	0.01499	0.68781
0.12	0.02402	1.08258	0.01900	0.74070
0.14	0.02977	1.07916	0.02377	0.77943
0.16	0.03632	1.07432	0.02934	0.80811
0.18	0.04368	1.06824	0.03570	0.82934
0.20	0.05187	1.06100	0.04289	0.84483
0.24	0.07073	1.04332	0.05976	0.86290
0.28	0.09295	1.02161	0.07998	0.86817
0.32	0.11855	0.99602	0.10357	0.86383
0.36	0.14752	0.96668	0.13054	0.85176
0.40	0.17989	0.93362	0.16089	0.83313
0.44	0.21565	0.89690	0.19464	0.80870
0.48	0.25481	0.85655	0.23178	0.77902
0.52	0.29736	0.81257	0.27232	0.74445
0.56	0.34332	0.76498	0.31627	0.70527
0.60	0.39268	0.71380	0.36361	0.66168
0.64	0.44543	0.65903	0.41435	0.61383
0.68	0.50160	0.60067	0.46850	0.56184
0.72	0.56116	0.53874	0.52604	0.50581
0.76	0.62413	0.47323	0.58700	0.44581
0.80	0.69050	0.40415	0.65135	0.38190
0.84	0.76028	0.33150	0.71911	0.31414
0.88	0.83346	0.25528	0.79027	0.24255
0.90	0.87133	0.21583	0.82713	0.20533
0.92	0.91004	0.17549	0.86484	0.16717
0.94	0.94961	0.13426	0.90340	0.12808
0.96	0.99003	0.09214	0.94281	0.08804
0.98	1.03130	0.04913	0.98308	0.04707
1.00	1.07343	0.00523	1.02419	0.00517

TABLE 3 Scattering Functions (Continued)

τ = .050

μ	ζ	θ	χ	σ
0.00	0.00000	0.00000	1.00000	0.00000
0.02	0.00200	0.00192	1.03199	0.10621
0.04	0.00308	0.00301	1.04627	0.32630
0.06	0.00365	0.00360	1.05360	0.48301
0.08	0.00399	0.00395	1.05799	0.58896
0.10	0.00422	0.00418	1.06089	0.66378
0.12	0.00438	0.00435	1.06295	0.71904
0.14	0.00450	0.00448	1.06449	0.76138
0.16	0.00460	0.00457	1.06568	0.79481
0.18	0.00467	0.00465	1.06663	0.82184
0.20	0.00474	0.00471	1.06740	0.84415
0.24	0.00485	0.00481	1.06859	0.87878
0.28	0.00490	0.00488	1.06945	0.90440
0.32	0.00495	0.00494	1.07011	0.92411
0.36	0.00499	0.00498	1.07063	0.93975
0.40	0.00503	0.00501	1.07105	0.95246
0.44	0.00505	0.00504	1.07140	0.96298
0.48	0.00508	0.00507	1.07169	0.97184
0.52	0.00510	0.00509	1.07194	0.97941
0.56	0.00511	0.00510	1.07215	0.98594
0.60	0.00513	0.00512	1.07234	0.99163
0.64	0.00514	0.00513	1.07250	0.99664
0.68	0.00515	0.00514	1.07264	1.00109
0.72	0.00516	0.00515	1.07277	1.00505
0.76	0.00517	0.00516	1.07289	1.00862
0.80	0.00518	0.00517	1.07299	1.01183
0.84	0.00519	0.00518	1.07309	1.01475
0.88	0.00520	0.00519	1.07317	1.01742
0.90	0.00520	0.00519	1.07321	1.01866
0.92	0.00520	0.00519	1.07325	1.01985
0.94	0.00521	0.00520	1.07329	1.02100
0.96	0.00521	0.00520	1.07332	1.02209
0.98	0.00521	0.00520	1.07336	1.02314
1.00	0.00521	0.00520	1.07339	1.02416

TABLE 3 Scattering Functions (Continued)

τ = .100

μ	ψ	φ	ζ	η
0.00	0.00000	1.00000	0.00000	0.00000
0.02	0.00527	1.05505	0.00435	0.03540
0.04	0.01051	1.08644	0.00843	0.14071
0.06	0.01542	1.10549	0.01190	0.27037
0.08	0.02038	1.11679	0.01524	0.38388
0.10	0.02569	1.12305	0.01881	0.47591
0.12	0.03154	1.12574	0.02285	0.54940
0.14	0.03803	1.12574	0.02748	0.60810
0.16	0.04525	1.12357	0.03280	0.65514
0.18	0.05323	1.11957	0.03886	0.69290
0.20	0.06200	1.11396	0.04569	0.72317
0.24	0.08201	1.09848	0.06178	0.76622
0.28	0.10539	1.07794	0.08119	0.79154
0.32	0.13219	1.05276	0.10400	0.80345
0.36	0.16244	1.02320	0.13025	0.80471
0.40	0.19618	0.98943	0.15997	0.79709
0.44	0.23342	0.95155	0.19318	0.78182
0.48	0.27417	0.90965	0.22989	0.75977
0.52	0.31843	0.86376	0.27011	0.73155
0.56	0.36621	0.81394	0.31384	0.69764
0.60	0.41751	0.76021	0.36110	0.65837
0.64	0.47235	0.70259	0.41188	0.61403
0.68	0.53071	0.64110	0.46619	0.56482
0.72	0.59260	0.57575	0.52403	0.51091
0.76	0.65803	0.50656	0.58540	0.45244
0.80	0.72700	0.43353	0.65030	0.38951
0.84	0.79950	0.35667	0.71874	0.32222
0.88	0.87553	0.27599	0.79071	0.25063
0.90	0.91488	0.23422	0.82802	0.21325
0.92	0.95511	0.19149	0.86622	0.17482
0.94	0.99622	0.14781	0.90530	0.13534
0.96	1.03822	0.10317	0.94527	0.09483
0.98	1.08110	0.05758	0.98612	0.05328
1.00	1.12487	0.01104	1.02785	0.01071

TABLE 3 Scattering Functions (Continued)

τ = .100

μ	ζ	θ	χ	σ
0.00	0.00000	0.00000	1.00000	0.00000
0.02	0.00240	0.00214	1.03461	0.02714
0.04	0.00436	0.00406	1.05656	0.12306
0.06	0.00573	0.00545	1.07111	0.24562
0.08	0.00668	0.00643	1.08107	0.35473
0.10	0.00737	0.00715	1.08823	0.44465
0.12	0.00790	0.00770	1.09359	0.51790
0.14	0.00830	0.00812	1.09776	0.57798
0.16	0.00863	0.00846	1.10107	0.62783
0.18	0.00889	0.00874	1.10378	0.66972
0.20	0.00912	0.00897	1.10602	0.70533
0.24	0.00946	0.00934	1.10953	0.76251
0.28	0.00972	0.00961	1.11215	0.80629
0.32	0.00992	0.00982	1.11418	0.84084
0.36	0.01009	0.00999	1.11579	0.86877
0.40	0.01022	0.01012	1.11711	0.89182
0.44	0.01033	0.01024	1.11820	0.91114
0.48	0.01042	0.01033	1.11913	0.92757
0.52	0.01050	0.01041	1.11992	0.94172
0.56	0.01057	0.01049	1.12061	0.95402
0.60	0.01063	0.01055	1.12120	0.96481
0.64	0.01068	0.01060	1.12173	0.97436
0.68	0.01073	0.01065	1.12220	0.98287
0.72	0.01077	0.01069	1.12262	0.99050
0.76	0.01081	0.01073	1.12300	0.99737
0.80	0.01084	0.01077	1.12334	1.00360
0.84	0.01067	0.01080	1.12365	1.00927
0.88	0.01090	0.01083	1.12393	1.01446
0.90	0.01092	0.01084	1.12406	1.01689
0.92	0.01093	0.01085	1.12419	1.01922
0.94	0.01094	0.01087	1.12431	1.02145
0.96	0.01095	0.01088	1.12443	1.02360
0.98	0.01097	0.01089	1.12454	1.02566
1.00	0.01098	0.01090	1.12465	1.02764

Table 4. Coefficients

Coefficients relating to the computation of scattering functions

$$\nu_1, \nu_2, \nu_3, \nu_4, u_3, u_4, u_5, s, t, a, b, c, Q, q, \bar{s}$$

The coefficients are defined by the following relations:

$$q = \bar{y}_0^{(3)}/(\bar{x}_1^{(3)} + \bar{y}_1^{(3)}) \ , \quad \nu_2 + \nu_1 = 2\Delta_1(k_1\delta_1 - k_2\delta_2)$$

$$\nu_2 - \nu_1 = 2\Delta_2(k_1\delta_1 - k_2\delta_2) \ , \quad \nu_4 + \nu_3 = \Delta_1(d_1k_1 - d_0k_2)$$

$$\nu_4 - \nu_3 = \Delta_2[c_1\delta_1 - c_0\delta_2 - 2Q(d_0\delta_1 - d_1\delta_2)]$$

$$u_4 + u_3 = \Delta_1[c_1\delta_1 - c_0\delta_2] \ , \quad u_4 - u_3 = \Delta_2[d_1k_1 - d_0k_2]$$

$$u_5 = \Delta_2[c_0k_1 - c_1k_2] \ , \quad s = \tfrac{1}{2}Q(\nu_2 - \nu_1) \ , \quad t = Q(u_4 - u_3)$$

$$a = \tfrac{3}{8}Q(\nu_2 - \nu_1)(d_0 - d_2) \ , \quad b = \tfrac{3}{8}Q(u_4 - u_3)(d_0 - d_2)$$

$$c = \tfrac{3}{8}Q(d_0 - d_2)u_5 \ , \quad Q = \frac{c_0 - c_2}{(d_0 - d_2)\tau + 2(d_1 - d_3)}$$

$$\bar{s} = 1 - ak_1 - bc_1 + cd_2 \ ,$$

where

$$\frac{1}{\Delta_1} = d_0\delta_1 - d_1\delta_2 \ , \quad \frac{1}{\Delta_2} = c_0k_1 - c_1k_2 - 2Q(d_1k_1 - d_0k_2)$$

$$c_0 = \alpha_0^{(4)} + \beta_0^{(4)} - \frac{8}{3} \ , \quad d_0 = \alpha_0^{(4)} - \beta_0^{(4)} - \frac{8}{3} \ , \quad c_p = \alpha_p^{(4)} + \beta_p^{(4)}$$

$$d_p = \alpha_p^{(4)} - \beta_p^{(4)} \ , \quad k_p = \alpha_p^{(s)} + \beta_p^{(s)} \ , \quad \delta_p = \alpha_p^{(s)} - \beta_p^{(s)} \ ,$$

$p \geq 1$; $\alpha_p^{(k)}$, $\beta_p^{(k)}$, $x_p^{(k)}$, and $y_p^{(k)}$ are the moments defined and tabulated in Table 2.

TABLE 4 Coefficients

τ	ν_1	ν_2	ν_3
000	-0.18750	-0.18750	1.14583
001	-0.18847	-0.18897	1.13257
003	-0.18975	-0.19123	1.11348
010	-0.19272	-0.19756	1.06454
020	-0.19556	-0.20501	1.01264
050	-0.20070	-0.22308	0.90353
100	-0.20512	-0.24689	0.78371

τ	ν_4	s	t
000	-1.52083	-0.25000	-0.50000
001	-1.51083	-0.24936	-0.49981
003	-1.49651	-0.24837	-0.49944
010	-1.46024	-0.24564	-0.49810
020	-1.42252	-0.24247	-0.49619
050	-1.34596	-0.23488	-0.49042
100	-1.26679	-0.22495	-0.48081

τ	u_3	u_4	u_5
000	-0.28125	-0.28125	0.00000
001	-0.28229	-0.28279	0.00038
003	-0.28371	-0.28520	0.00113
010	-0.28711	-0.29202	0.00378
020	-0.29044	-0.30011	0.00760
050	-0.29656	-0.31992	0.01914
100	-0.30164	-0.34628	0.03836

τ	a	b	c
000	0.50000	0.50000	-0.37500
001	0.49744	0.49853	-0.37559
003	0.49354	0.49621	-0.37632
010	0.48292	0.48961	-0.37779
020	0.47088	0.48180	-0.37885
050	0.44340	0.46291	-0.37933
100	0.41013	0.43832	-0.37667

τ	Q	q	$\tilde{s}$
000	∞	1.33333	0.00000
001	1002.39	1.32145	0.00100
003	335.31	1.30425	0.00279
010	101.54	1.25997	0.00972
020	51.30	1.21283	0.01904
050	20.99	1.11347	0.04518
100	10.76	1.00411	0.08420

Table 5. Intensities

Intensities in the direction normal (I_r) and parallel (I_ℓ) to the sun vertical and their correction for the ground reflection (I_r^*, I_ℓ^*) along the sun vertical for different sun elevations

$$I_r = \frac{3}{32}\frac{\mu_o}{\mu - \mu_o}\left\{K\sigma(\mu) + L\theta(\mu) - M\chi(\mu) - N\zeta(\mu) + H\right\}$$

$$\left.\begin{matrix} I_\ell \\ I_{\ell a} \end{matrix}\right\} = \frac{3}{32}\frac{\mu_o}{\mu - \mu_o}\left\{K\xi(\mu) + L\eta(\mu) - M\psi(\mu) - N\varphi(\mu) \pm \mu\sqrt{1-\mu^2}\,G - \mu^2 H\right\}$$

(The upper sign applied to I_ℓ; the lower sign to $I_{\ell a}$.)

$$I_r^* = \frac{\lambda}{4(1-\lambda\bar{s})}\mu_o[\gamma_\ell(\mu_o) + \gamma_r(\mu_o)][1 - \gamma_r(\mu)]$$

$$I_\ell^* = \frac{\lambda}{4(1-\lambda s)}\mu_o[\gamma_\ell(\mu_o) + \gamma_r(\mu_o)][1 - \gamma_\ell(\mu)]$$

where

$$K = \psi(\mu_o) + \chi(\mu_o), \quad L = 2\varphi(\mu_o) + 2\zeta(\mu_o),$$

$$M = \xi(\mu_o) + \sigma(\mu_o), \quad N = 2\varphi(\mu_o) + 2\eta(\mu_o)$$

$$G = 4\mu_o\sqrt{1-\mu_o^2}\left\{X^{(1)}(\mu_o)Y^{(1)}(\mu) - Y^{(1)}(\mu_o)X^{(1)}(\mu)\right\}$$

$$H = (1-\mu_o^2)\left\{X^{(2)}(\mu_o)Y^{(2)}(\mu) - Y^{(2)}(\mu_o)X^{(2)}(\mu)\right\}$$

(λ - albedo of the ground, reflecting according to Lambert's law.)
For detailed discussion see the Introduction.

TABLE 5 Intensities

τ	μ_o	μ	I_ℓ	$I_{\ell a}$	I_r
010	002	000	11860	11860	11610
010	002	002	06000	06000	05900
010	002	004	03353	03342	03290
010	002	006	02332	02321	02291
010	002	008	01784	01773	01756
010	002	010	01442	01431	01424
010	002	012	01208	01197	01197
010	002	020	00721	00709	00731
010	002	040	00323	00312	00370
010	002	060	00167	00157	00248
010	002	080	00072	00065	00186
010	002	090	00035	00030	00165
010	002	094	00022	00017	00158
010	002	098	00008	00005	00152
010	002	100	00000	00000	00149

TABLE 5 Intensities (Continued)

τ	μ_o	μ	I_ℓ	$I_{\ell a}$	I_r
0 1 0	0 1 0	0 0 6	0 2 8 3 5	0 2 7 6 8	0 2 7 8 6
0 1 0	0 1 0	0 0 8	0 2 1 7 3	0 2 1 0 5	0 2 1 3 3
0 1 0	0 1 0	0 1 0	0 1 7 6 1	0 1 6 9 8	0 1 7 3 5
0 1 0	0 1 0	0 1 2	0 1 4 7 9	0 1 4 1 0	0 1 4 5 2
0 1 0	0 1 0	0 1 4	0 1 2 7 3	0 1 2 0 4	0 1 2 5 2
0 1 0	0 1 0	0 1 6	0 1 1 1 7	0 1 0 4 7	0 1 1 0 0
0 1 0	0 1 0	0 1 8	0 0 9 9 3	0 0 9 2 4	0 0 9 8 1
0 1 0	0 1 0	0 2 0	0 0 8 9 3	0 0 8 2 4	0 0 8 8 5
0 1 0	0 1 0	0 4 0	0 0 4 1 4	0 0 3 4 8	0 0 4 4 8
0 1 0	0 1 0	0 6 0	0 0 2 2 4	0 0 1 6 6	0 0 3 0 0
0 1 0	0 1 0	0 8 0	0 0 1 0 5	0 0 0 6 2	0 0 2 2 5
0 1 0	0 1 0	0 9 0	0 0 0 5 6	0 0 0 2 5	0 0 2 0 0
0 1 0	0 1 0	0 9 4	0 0 0 3 7	0 0 0 1 2	0 0 1 9 2
0 1 0	0 1 0	0 9 8	0 0 0 1 7	0 0 0 0 2	0 0 1 8 4
0 1 0	0 1 0	1 0 0	0 0 0 0 2	0 0 0 0 2	0 0 1 8 0
0 1 0	0 2 0	0 0 6	0 2 8 5 4	0 2 7 1 9	0 2 8 5 8
0 1 0	0 2 0	0 1 0	0 1 7 8 6	0 1 6 4 8	0 1 7 7 2
0 1 0	0 2 0	0 1 4	0 1 3 0 2	0 1 1 6 2	0 1 2 8 3
0 1 0	0 2 0	0 1 8	0 1 0 2 4	0 0 8 8 4	0 1 0 0 6
0 1 0	0 2 0	0 2 0	0 0 9 2 5	0 0 7 8 4	0 0 9 0 9
0 1 0	0 2 0	0 2 4	0 0 7 7 2	0 0 6 3 3	0 0 7 6 0
0 1 0	0 2 0	0 2 8	0 0 6 6 0	0 0 5 2 2	0 0 6 5 3
0 1 0	0 2 0	0 3 2	0 0 5 7 4	0 0 4 3 7	0 0 5 7 3
0 1 0	0 2 0	0 4 0	0 0 4 4 7	0 0 3 1 5	0 0 4 5 9
0 1 0	0 2 0	0 6 0	0 0 2 5 5	0 0 1 3 9	0 0 3 0 7
0 1 0	0 2 0	0 8 0	0 0 1 3 1	0 0 0 4 4	0 0 2 3 1
0 1 0	0 2 0	0 9 0	0 0 0 7 7	0 0 0 1 4	0 0 2 0 5
0 1 0	0 2 0	0 9 4	0 0 0 5 5	0 0 0 0 5	0 0 1 9 7
0 1 0	0 2 0	0 9 8	0 0 0 3 0	0 0 0 0 1	0 0 1 8 9
0 1 0	0 2 0	1 0 0	0 0 0 0 8	0 0 0 0 8	0 0 1 8 5
0 1 0	0 4 0	0 0 6	0 2 5 9 9	0 2 3 4 4	0 2 8 9 6
0 1 0	0 4 0	0 1 0	0 1 6 5 5	0 1 3 9 3	0 1 7 9 5
0 1 0	0 4 0	0 2 0	0 0 8 9 4	0 0 6 2 9	0 0 9 2 0
0 1 0	0 4 0	0 2 8	0 0 6 6 1	0 0 4 0 0	0 0 6 6 2
0 1 0	0 4 0	0 3 2	0 0 5 8 5	0 0 3 2 6	0 0 5 8 0
0 1 0	0 4 0	0 3 6	0 0 5 2 3	0 0 2 6 8	0 0 5 1 6
0 1 0	0 4 0	0 4 0	0 0 4 7 6	0 0 2 2 5	0 0 4 7 0
0 1 0	0 4 0	0 4 4	0 0 4 2 9	0 0 1 8 3	0 0 4 2 4
0 1 0	0 4 0	0 5 2	0 0 3 5 7	0 0 1 2 3	0 0 3 5 9
0 1 0	0 4 0	0 6 0	0 0 2 9 9	0 0 0 7 9	0 0 3 1 1
0 1 0	0 4 0	0 8 0	0 0 1 7 9	0 0 0 1 4	0 0 2 3 4
0 1 0	0 4 0	0 9 0	0 0 1 2 1	0 0 0 0 1	0 0 2 0 8
0 1 0	0 4 0	0 9 4	0 0 0 9 6	0 0 0 0 1	0 0 1 9 9
0 1 0	0 4 0	0 9 8	0 0 0 6 4	0 0 0 0 9	0 0 1 9 1
0 1 0	0 4 0	1 0 0	0 0 0 3 0	0 0 0 3 0	0 0 1 8 7

TABLE 5 Intensities (continued)

τ	μ_o	μ	I_ℓ	$I_{\ell a}$	I_r
0 1 0	0 6 0	0 0 6	0) 0 6 2	0 1 7 2 7	0 2 9 1 0
0 1 0	0 6 0	0 1 0	0) 1 3 4 4	0 0 9 9 9	0 1 8 0 4
0 1 0	0 6 0	0 2 0	0) 0 7 6 6	0 0 4 1 8	0 0 9 2 4
0 1 0	0 6 0	0 4 0	0) 0 4 4 8	0 0 1 1 8	0 0 4 6 8
0 1 0	0 6 0	0 5 2	0) 0 3 6 1	0 0 0 5 3	0 0 3 6 1
0 1 0	0 6 0	0 5 6	0) 0 3 3 6	0 0 0 3 8	0 0 3 3 5
0 1 0	0 6 0	0 6 0	0) 0 3 1 7	0 0 0 2 8	0 0 3 1 4
0 1 0	0 6 0	0 6 4	0) 0 2 9 6	0 0 0 1 8	0 0 2 9 3
0 1 0	0 6 0	0 6 8	0) 0 2 7 6	0 0 0 1 0	0 0 2 7 6
0 1 0	0 6 0	0 7 2	0) 0 2 5 7	0 0 0 0 5	0 0 2 6 1
0 1 0	0 6 0	0 8 0	0) 0 2 1 8	0 0 0 0 1	0 0 2 3 5
0 1 0	0 6 0	0 9 0	0) 0 1 6 6	0 0 0 0 8	0 0 2 0 9
0 1 0	0 6 0	0 9 4	0) 0 1 4 1	0 0 0 1 7	0 0 2 0 0
0 1 0	0 6 0	0 9 8	0) 0 1 0 8	0 0 0 3 6	0 0 1 9 2
0 1 0	0 6 0	1 0 0	0) 0 0 6 8	0 0 0 6 8	0 0 1 8 8
0 1 0	0 8 0	0 0 6	0 1 2 4 3	0 0 9 0 7	0 2 9 1 9
0 1 0	0 8 0	0 1 0	0) 0 8 4 2	0 0 4 9 6	0 1 8 0 9
0 1 0	0 8 0	0 2 0	0) 0 5 2 5	0 0 1 7 6	0 0 9 2 7
0 1 0	0 8 0	0 4 0	0) 0 3 5 8	0 0 0 2 7	0 0 4 6 9
0 1 0	0 8 0	0 6 0	0) 0 2 9 1	0 0 0 0 1	0 0 3 1 4
0 1 0	0 8 0	0 6 8	0) 0 2 7 0	0 0 0 0 4	0 0 2 7 7
0 1 0	0 8 0	0 7 2	0) 0 2 5 9	0 0 0 0 7	0 0 2 6 2
0 1 0	0 8 0	0 7 6	0 0 2 4 8	0 0 0 1 2	0 0 2 4 8
0 1 0	0 8 0	0 8 0	0 0 2 3 6	0 0 0 2 0	0 0 2 3 6
0 1 0	0 8 0	0 8 4	0) 0 2 2 4	0 0 0 2 7	0 0 2 2 5
0 1 0	0 8 0	0 8 8	0) 0 2 1 1	0 0 0 3 8	0 0 2 1 4
0 1 0	0 8 0	0 9 0	0 0 2 0 3	0 0 0 4 4	0 0 2 1 0
0 1 0	0 8 0	0 9 4	0 0 1 8 4	0 0 0 6 0	0 0 2 0 1
0 1 0	0 8 0	0 9 8	0) 0 1 5 8	0 0 0 8 5	0 0 1 9 3
0 1 0	0 8 0	1 0 0	0 0 1 2 1	0 0 1 2 1	0 0 1 8 9
0 1 0	0 9 0	0 0 6	0) 0 7 1 2	0 0 4 3 8	0 2 9 2 3
0 1 0	0 9 0	0 1 0	0) 0 5 0 5	0 0 2 2 2	0 1 8 1 2
0 1 0	0 9 0	0 2 0	0) 0 3 4 6	0 0 0 6 0	0 0 9 2 8
0 1 0	0 9 0	0 4 0	0) 0 2 7 3	0 0 0 0 2	0 0 4 7 0
0 1 0	0 9 0	0 6 0	0 0 2 4 9	0 0 0 1 2	0 0 3 1 4
0 1 0	0 9 0	0 8 0	0) 0 2 2 8	0 0 0 5 0	0 0 2 3 6
0 1 0	0 9 0	0 8 4	0) 0 2 2 2	0 0 0 6 1	0 0 2 2 5
0 1 0	0 9 0	0 8 8	0 0 2 1 5	0 0 0 7 3	0 0 2 1 5
0 1 0	0 9 0	0 9 0	0 0 2 1 0	0 0 0 8 1	0 0 2 1 0
0 1 0	0 9 0	0 9 2	0 0 2 0 5	0 0 0 8 9	0 0 2 0 5
0 1 0	0 9 0	0 9 4	0 0 1 9 9	0 0 0 9 8	0 0 2 0 1
0 1 0	0 9 0	0 9 6	0 0 1 9 2	0 0 1 0 8	0 0 1 9 7
0 1 0	0 9 0	0 9 8	0 0 1 8 1	0 0 1 2 2	0 0 1 9 3
0 1 0	0 9 0	1 0 0	0 0 1 5 3	0 0 1 5 3	0 0 1 8 9

TABLE 5 Intensities (Continued)

τ	μ_o	μ	I	I_{oa}	I_r
0 1 0	0 9 4	0 0 6	0 0 4 7 1	0 0 2 4 6	0 2 9 2 5
0 1 0	0 9 4	0 1 0	0 0 3 4 7	0 0 1 1 5	0 1 8 1 3
0 1 0	0 9 4	0 2 0	0 0 2 5 6	0 0 0 2 3	0 0 9 2 9
0 1 0	0 9 4	0 4 0	0 0 2 2 4	0 0 0 0 3	0 0 4 7 0
0 1 0	0 9 4	0 6 0	0 0 2 2 1	0 0 0 2 7	0 0 3 1 4
0 1 0	0 9 4	0 8 0	0 0 2 1 6	0 0 0 7 1	0 0 2 3 6
0 1 0	0 9 4	0 8 4	0 0 2 1 4	0 0 0 8 2	0 0 2 2 5
0 1 0	0 9 4	0 8 8	0 0 2 1 0	0 0 0 9 5	0 0 2 1 5
0 1 0	0 9 4	0 9 0	0 0 2 0 8	0 0 1 0 2	0 0 2 1 0
0 1 0	0 9 4	0 9 2	0 0 2 0 5	0 0 1 1 0	0 0 2 0 6
0 1 0	0 9 4	0 9 4	0 0 2 0 0	0 0 1 1 9	0 0 2 0 2
0 1 0	0 9 4	0 9 6	0 0 1 9 6	0 0 1 2 8	0 0 1 9 7
0 1 0	0 9 4	0 9 8	0 0 1 8 9	0 0 1 4 0	0 0 1 9 3
0 1 0	0 9 4	1 0 0	0 0 1 6 7	0 0 1 6 7	0 0 1 8 9
0 1 0	0 9 8	0 0 6	0 0 2 0 1	0 0 0 6 4	0 2 9 2 6
0 1 0	0 9 8	0 1 0	0 0 1 6 3	0 0 0 2 2	0 1 8 1 4
0 1 0	0 9 8	0 2 0	0 0 1 4 4	0 0 0 0 2	0 0 9 2 9
0 1 0	0 9 8	0 4 0	0 0 1 5 6	0 0 0 2 1	0 0 4 7 0
0 1 0	0 9 8	0 6 0	0 0 1 7 6	0 0 0 5 8	0 0 3 1 5
0 1 0	0 9 8	0 8 0	0 0 1 9 3	0 0 1 0 4	0 0 2 3 6
0 1 0	0 9 8	0 8 4	0 0 1 9 5	0 0 1 1 5	0 0 2 2 5
0 1 0	0 9 8	0 8 8	0 0 1 9 7	0 0 1 2 7	0 0 2 1 5
0 1 0	0 9 8	0 9 0	0 0 1 9 7	0 0 1 3 3	0 0 2 1 0
0 1 0	0 9 8	0 9 2	0 0 1 9 7	0 0 1 3 9	0 0 2 0 6
0 1 0	0 9 8	0 9 4	0 0 1 9 7	0 0 1 4 6	0 0 2 0 1
0 1 0	0 9 8	0 9 6	0 0 1 9 6	0 0 1 5 4	0 0 1 9 7
0 1 0	0 9 8	0 9 8	0 0 1 8 9	0 0 1 6 8	0 0 1 9 3
0 1 0	0 9 8	1 0 0	0 0 1 8 2	0 0 1 8 2	0 0 1 8 9
0 1 0	1 0 0	0 0 6	0 0 0 1 6	0 0 0 1 6	0 2 9 2 7
0 1 0	1 0 0	0 1 0	0 0 0 2 1	0 0 0 2 1	0 1 8 1 4
0 1 0	1 0 0	0 2 0	0 0 0 3 8	0 0 0 3 8	0 0 9 3 0
0 1 0	1 0 0	0 4 0	0 0 0 7 6	0 0 0 7 6	0 0 4 7 0
0 1 0	1 0 0	0 6 0	0 0 1 1 3	0 0 1 1 3	0 0 3 1 5
0 1 0	1 0 0	0 8 0	0 0 1 5 1	0 0 1 5 1	0 0 2 3 6
0 1 0	1 0 0	0 8 4	0 0 1 5 9	0 0 1 5 9	0 0 2 2 5
0 1 0	1 0 0	0 8 8	0 0 1 6 6	0 0 1 6 6	0 0 2 1 5
0 1 0	1 0 0	0 9 0	0 0 1 7 0	0 0 1 7 0	0 0 2 1 0
0 1 0	1 0 0	0 9 2	0 0 1 7 4	0 0 1 7 4	0 0 2 0 6
0 1 0	1 0 0	0 9 4	0 0 1 7 8	0 0 1 7 8	0 0 2 0 1
0 1 0	1 0 0	0 9 6	0 0 1 8 2	0 0 1 8 2	0 0 1 9 7
0 1 0	1 0 0	0 9 8	0 0 1 8 5	0 0 1 8 5	0 0 1 9 3
0 1 0	1 0 0	1 0 0	0 0 1 8 8	0 0 1 8 8	0 0 1 8 9

TABLE 5 Intensities (Continued)

τ	μ_0	μ	I_ℓ	$I_{\ell a}$	I_r
0 2 0	0 0 2	0 0 0	0 7 5 6 0	0 7 5 6 0	0 7 2 4 0
0 2 0	0 0 2	0 0 2	0 7 7 0 0	0 7 7 0 0	0 7 4 0 0
0 2 0	0 0 2	0 0 4	0 4 7 8 4	0 4 7 6 9	0 4 6 2 9
0 2 0	0 0 2	0 0 6	0 3 4 8 7	0 3 4 7 1	0 3 3 8 0
0 2 0	0 0 2	0 0 8	0 2 7 3 4	0 2 7 1 7	0 2 6 5 5
0 2 0	0 0 2	0 1 0	0 2 2 4 3	0 2 2 2 5	0 2 1 8 5
0 2 0	0 0 2	0 1 2	0 1 8 9 7	0 1 8 8 0	0 1 8 5 5
0 2 0	0 0 2	0 2 0	0 1 1 5 5	0 1 1 3 7	0 1 1 5 6
0 2 0	0 0 2	0 4 0	0 0 5 2 5	0 0 5 0 8	0 0 5 9 5
0 2 0	0 0 2	0 6 0	0 0 2 7 3	0 0 2 5 8	0 0 4 0 0
0 2 0	0 0 2	0 8 0	0 0 1 1 9	0 0 1 0 8	0 0 3 0 1
0 2 0	0 0 2	0 9 0	0 0 0 5 9	0 0 0 5 0	0 0 2 6 8
0 2 0	0 0 2	0 9 4	0 0 0 3 6	0 0 0 2 9	0 0 2 5 7
0 2 0	0 0 2	0 9 8	0 0 0 1 4	0 0 0 1 0	0 0 2 4 7
0 2 0	0 0 2	1 0 0	0 0 0 0 2	0 0 0 0 2	0 0 2 4 2
0 2 0	0 1 0	0 0 6	0 3 1 0 6	0 4 9 8 7	0 4 9 5 2
0 2 0	0 1 0	0 0 8	0 3 9 9 4	0 3 8 7 1	0 3 8 6 9
0 2 0	0 1 0	0 1 0	0 3 2 8 0	0 3 1 5 4	0 3 1 7 2
0 2 0	0 1 0	0 1 2	0 2 7 7 6	0 2 6 4 8	0 2 6 8 9
0 2 0	0 1 0	0 1 4	0 2 4 0 5	0 2 2 7 6	0 2 3 3 3
0 2 0	0 1 0	0 1 6	0 2 1 1 9	0 1 9 8 9	0 2 0 6 0
0 2 0	0 1 0	0 1 8	0 1 8 9 1	0 1 7 6 1	0 1 8 4 4
0 2 0	0 1 0	0 2 0	0 1 7 0 5	0 1 5 7 5	0 1 6 6 9
0 2 0	0 1 0	0 4 0	0 0 8 0 1	0 0 8 7 6	0 0 8 5 6
0 2 0	0 1 0	0 6 0	0 0 4 3 6	0 0 3 2 6	0 0 5 7 5
0 2 0	0 1 0	0 8 0	0 0 2 0 6	0 0 1 2 3	0 0 4 3 3
0 2 0	0 1 0	0 9 0	0 0 1 1 1	0 0 0 5 0	0 0 3 8 6
0 2 0	0 1 0	0 9 4	0 0 0 7 3	0 0 0 2 6	0 0 3 7 0
0 2 0	0 1 0	0 9 8	0 0 0 3 4	0 0 0 0 6	0 0 3 5 5
0 2 0	0 1 0	1 0 0	0 0 0 0 6	0 0 0 0 6	0 0 3 4 8
0 2 0	0 2 0	0 0 6	0 3 2 7 7	0 5 0 3 1	0 5 2 1 5
0 2 0	0 2 0	0 1 0	0 3 4 1 1	0 3 1 4 9	0 3 3 3 8
0 2 0	0 2 0	0 1 4	0 2 5 2 2	0 2 2 5 5	0 2 4 5 3
0 2 0	0 2 0	0 1 8	0 1 9 9 9	0 1 7 2 9	0 1 9 3 8
0 2 0	0 2 0	0 2 0	0 1 8 0 8	0 1 5 3 7	0 1 7 5 4
0 2 0	0 2 0	0 2 4	0 1 5 1 8	0 1 2 4 8	0 1 4 7 4
0 2 0	0 2 0	0 2 8	0 1 3 0 3	0 1 0 3 4	0 1 2 7 1
0 2 0	0 2 0	0 3 2	0 1 1 3 5	0 0 8 6 8	0 1 1 1 7
0 2 0	0 2 0	0 4 0	0 0 8 8 8	0 0 6 2 8	0 0 8 9 9
0 2 0	0 2 0	0 6 0	0 0 5 1 0	0 0 2 8 1	0 0 6 0 5
0 2 0	0 2 0	0 8 0	0 0 2 6 3	0 0 0 9 0	0 0 4 5 6
0 2 0	0 2 0	0 9 0	0 0 1 5 4	0 0 0 2 9	0 0 4 0 6
0 2 0	0 2 0	0 9 4	0 0 1 0 9	0 0 0 1 1	0 0 3 8 9
0 2 0	0 2 0	0 9 8	0 0 0 5 9	0 0 0 0 2	0 0 3 7 3
0 2 0	0 2 0	1 0 0	0 0 0 1 6	0 0 0 1 6	0 0 3 6 6

TABLE 5 Intensities (Continued)

τ	μ_o	μ	I_ℓ	$I_{\ell a}$	I_r
0.20	0.40	0.06	0.4872	0.4400	0.5357
0.20	0.40	0.10	0.3203	0.2701	0.3428
0.20	0.40	0.20	0.1774	0.1255	0.1801
0.20	0.40	0.28	0.1322	0.0805	0.1305
0.20	0.40	0.32	0.1172	0.0659	0.1147
0.20	0.40	0.36	0.1051	0.0544	0.1023
0.20	0.40	0.40	0.0948	0.0450	0.0923
0.20	0.40	0.44	0.0864	0.0373	0.0841
0.20	0.40	0.52	0.0721	0.0252	0.0714
0.20	0.40	0.60	0.0604	0.0164	0.0621
0.20	0.40	0.80	0.0361	0.0030	0.0468
0.20	0.40	0.90	0.0243	0.0003	0.0417
0.20	0.40	0.94	0.0190	0.0003	0.0400
0.20	0.40	0.98	0.0125	0.0016	0.0384
0.20	0.40	1.00	0.0059	0.0059	0.0377
0.20	0.60	0.06	0.3886	0.3262	0.5410
0.20	0.60	0.10	0.2613	0.1950	0.3461
0.20	0.60	0.20	0.1527	0.0841	0.1818
0.20	0.60	0.40	0.0905	0.0245	0.0932
0.20	0.60	0.52	0.0731	0.0112	0.0721
0.20	0.60	0.56	0.0684	0.0082	0.0670
0.20	0.60	0.60	0.0641	0.0060	0.0628
0.20	0.60	0.64	0.0598	0.0039	0.0587
0.20	0.60	0.68	0.0557	0.0024	0.0554
0.20	0.60	0.72	0.0518	0.0014	0.0523
0.20	0.60	0.80	0.0439	0.0004	0.0472
0.20	0.60	0.90	0.0331	0.0016	0.0421
0.20	0.60	0.94	0.0279	0.0034	0.0404
0.20	0.60	0.98	0.0211	0.0069	0.0389
0.20	0.60	1.00	0.0132	0.0132	0.0381
0.20	0.80	0.06	0.2351	0.1724	0.5442
0.20	0.80	0.10	0.1643	0.0977	0.3481
0.20	0.80	0.20	0.1049	0.0359	0.1828
0.20	0.80	0.40	0.0723	0.0061	0.0936
0.20	0.80	0.60	0.0587	0.0006	0.0628
0.20	0.80	0.68	0.0542	0.0011	0.0555
0.20	0.80	0.72	0.0520	0.0018	0.0523
0.20	0.80	0.76	0.0496	0.0028	0.0498
0.20	0.80	0.80	0.0471	0.0043	0.0475
0.20	0.80	0.84	0.0446	0.0058	0.0452
0.20	0.80	0.88	0.0417	0.0079	0.0432
0.20	0.80	0.90	0.0400	0.0092	0.0423
0.20	0.80	0.94	0.0362	0.0123	0.0406
0.20	0.80	0.98	0.0309	0.0170	0.0390
0.20	0.80	1.00	0.0236	0.0238	0.0383

TABLE 5 Intensities (Continued)

τ	μ_0	μ	I_l	I_{la}	I_r
0 2 0	0 9 0	0 0 6	0 1 3 5 2	0 0 8 4 0	0 5 4 5 5
0 2 0	0 9 0	0 1 0	0 0 9 8 8	0 0 4 4 3	0 3 4 8 9
0 2 0	0 9 0	0 2 0	0 0 6 9 2	0 0 1 2 8	0 1 8 3 1
0 2 0	0 9 0	0 4 0	0 0 5 4 9	0 0 0 0 9	0 0 9 3 7
0 2 0	0 9 0	0 6 0	0 0 5 0 0	0 0 0 2 9	0 0 6 2 8
0 2 0	0 9 0	0 8 0	0 0 4 5 3	0 0 1 0 5	0 0 4 7 3
0 2 0	0 9 0	0 8 4	0 0 4 3 9	0 0 1 2 8	0 0 4 5 2
0 2 0	0 9 0	0 8 8	0 0 4 2 3	0 0 1 5 3	0 0 4 3 2
0 2 0	0 9 0	0 9 0	0 0 4 1 4	0 0 1 6 8	0 0 4 2 2
0 2 0	0 9 0	0 9 2	0 0 4 0 5	0 0 1 8 4	0 0 4 1 3
0 2 0	0 9 0	0 9 4	0 0 3 9 3	0 0 2 0 1	0 0 4 0 5
0 2 0	0 9 0	0 9 6	0 0 3 7 8	0 0 2 2 1	0 0 3 9 7
0 2 0	0 9 0	0 9 8	0 0 3 5 7	0 0 2 4 7	0 0 3 9 0
0 2 0	0 9 0	1 0 0	0 0 3 0 5	0 0 3 0 5	0 0 3 8 3
0 2 0	0 9 4	0 0 6	0 0 8 9 7	0 0 4 7 8	0 5 4 6 0
0 2 0	0 9 4	0 1 0	0 0 6 8 0	0 0 2 3 4	0 3 4 9 2
0 2 0	0 9 4	0 2 0	0 0 5 1 2	0 0 0 5 2	0 1 8 3 2
0 2 0	0 9 4	0 4 0	0 0 4 5 1	0 0 0 1 0	0 0 9 3 7
0 2 0	0 9 4	0 6 0	0 0 4 4 3	0 0 0 5 9	0 0 6 2 8
0 2 0	0 9 4	0 8 0	0 0 4 3 0	0 0 1 4 8	0 0 4 7 3
0 2 0	0 9 4	0 8 4	0 0 4 2 4	0 0 1 7 1	0 0 4 5 1
0 2 0	0 9 4	0 8 8	0 0 4 1 6	0 0 1 9 7	0 0 4 3 2
0 2 0	0 9 4	0 9 0	0 0 4 1 1	0 0 2 1 1	0 0 4 2 2
0 2 0	0 9 4	0 9 2	0 0 4 0 4	0 0 2 2 6	0 0 4 1 4
0 2 0	0 9 4	0 9 4	0 0 4 4 6	0 0 2 4 4	0 0 4 0 5
0 2 0	0 9 4	0 9 6	0 0 3 8 9	0 0 2 6 3	0 0 3 9 7
0 2 0	0 9 4	0 9 8	0 0 3 7 5	0 0 2 8 6	0 0 3 8 9
0 2 0	0 9 4	1 0 0	0 0 3 3 5	0 0 3 3 5	0 0 3 8 2
0 2 0	0 9 8	0 0 6	0 0 3 8 8	0 0 1 3 3	0 5 4 6 4
0 2 0	0 9 8	0 1 0	0 0 3 2 3	0 0 0 5 2	0 3 4 9 4
0 2 0	0 9 8	0 2 0	0 0 2 8 9	0 0 0 0 9	0 1 8 3 3
0 2 0	0 9 8	0 4 0	0 0 3 1 3	0 0 0 4 6	0 0 9 3 7
0 2 0	0 9 8	0 6 0	0 0 3 5 2	0 0 1 2 0	0 0 6 2 8
0 2 0	0 9 8	0 8 0	0 0 3 8 4	0 0 2 1 5	0 0 4 7 3
0 2 0	0 9 8	0 8 4	0 0 3 8 9	0 0 2 3 7	0 0 4 5 1
0 2 0	0 9 8	0 8 8	0 0 3 9 1	0 0 2 6 0	0 0 4 3 1
0 2 0	0 9 8	0 9 0	0 0 3 9 2	0 0 2 7 2	0 0 4 2 2
0 2 0	0 9 8	0 9 2	0 0 3 9 2	0 0 2 8 5	0 0 4 1 3
0 2 0	0 9 8	0 9 4	0 0 3 9 1	0 0 2 9 9	0 0 4 0 5
0 2 0	0 9 8	0 9 6	0 0 3 8 9	0 0 3 1 4	0 0 3 9 7
0 2 0	0 9 8	0 9 8	0 0 3 7 7	0 0 3 4 1	0 0 3 8 9
0 2 0	0 9 8	1 0 0	0 0 3 6 6	0 0 3 6 6	0 0 3 8 1

TABLE 5 Intensities (Continued)

τ	μ_o	μ	I_ℓ	$I_{\ell a}$	I_I
0 2 0	1 0 0	0 0 6	0 0 0 4 1	0 0 0 4 1	0 5 4 6 6
0 2 0	1 0 0	0 1 0	0 0 0 4 8	0 0 0 4 8	0 3 4 9 5
0 2 0	1 0 0	0 2 0	0 0 0 8 0	0 0 0 8 0	0 1 8 3 4
0 2 0	1 0 0	0 4 0	0 0 1 5 3	0 0 1 5 3	0 0 9 3 7
0 2 0	1 0 0	0 6 0	0 0 2 2 9	0 0 2 2 9	0 0 6 2 8
0 2 0	1 0 0	0 8 0	0 0 3 0 5	0 0 3 0 5	0 0 4 7 2
0 2 0	1 0 0	0 8 4	0 0 3 2 0	0 0 3 2 0	0 0 4 5 0
0 2 0	1 0 0	0 8 8	0 0 3 3 6	0 0 3 3 6	0 0 4 3 0
0 2 0	1 0 0	0 9 0	0 0 3 4 3	0 0 3 4 3	0 0 4 2 1
0 2 0	1 0 0	0 9 2	0 0 3 5 1	0 0 3 5 1	0 0 4 1 3
0 2 0	1 0 0	0 9 4	0 0 3 5 8	0 0 3 5 8	0 0 4 0 4
0 2 0	1 0 0	0 9 6	0 0 3 6 6	0 0 3 6 6	0 0 3 9 7
0 2 0	1 0 0	0 9 8	0 0 3 7 3	0 0 3 7 3	0 0 3 9 0
0 2 0	1 0 0	1 0 0	0 0 3 7 9	0 0 3 7 9	0 0 3 8 1
0 5 0	0 0 2	0 0 0	0 2 2 5 0	0 2 2 5 0	0 1 9 4 0
0 5 0	0 0 2	0 0 2	0 5 5 0 0	0 5 5 0 0	0 4 9 0 0
0 5 0	0 0 2	0 0 4	0 4 4 8 8	0 4 4 7 5	0 4 1 7 7
0 5 0	0 0 2	0 0 6	0 3 8 2 8	0 3 8 1 0	0 3 5 8 1
0 5 0	0 0 2	0 0 8	0 3 2 5 9	0 3 2 3 9	0 3 0 6 1
0 5 0	0 0 2	0 1 0	0 2 8 1 3	0 2 7 9 2	0 2 6 5 2
0 5 0	0 0 2	0 1 2	0 2 4 6 3	0 2 4 4 1	0 2 3 3 3
0 5 0	0 0 2	0 2 0	0 1 6 0 9	0 1 5 8 5	0 1 5 6 1
0 5 0	0 0 2	0 4 0	0 0 7 7 3	0 0 7 4 8	0 0 8 4 8
0 5 0	0 0 2	0 6 0	0 0 4 1 1	0 0 3 8 9	0 0 5 8 1
0 5 0	0 0 2	0 8 0	0 0 1 8 4	0 0 1 6 6	0 0 4 4 2
0 5 0	0 0 2	0 9 0	0 0 0 9 2	0 0 0 8 0	0 0 3 9 5
0 5 0	0 0 2	0 9 4	0 0 0 5 8	0 0 0 4 9	0 0 3 7 8
0 5 0	0 0 2	0 9 8	0 0 0 2 5	0 0 0 1 9	0 0 3 6 4
0 5 0	0 0 2	1 0 0	0 0 0 0 7	0 0 0 0 7	0 0 3 5 6
0 5 0	0 1 0	0 0 6	0 9 2 1 4	0 9 0 0 6	0 8 6 6 8
0 5 0	0 1 0	0 9 8	0 7 6 4 1	0 7 4 1 1	0 7 1 8 3
0 5 0	0 1 0	0 1 0	0 6 5 0 2	0 6 2 5 6	0 6 1 1 4
0 5 0	0 1 0	0 1 2	0 5 6 4 4	0 5 3 9 1	0 5 3 0 9
0 5 0	0 1 0	0 1 4	0 4 9 7 9	0 4 7 1 9	0 4 6 9 0
0 5 0	0 1 0	0 1 6	0 4 4 4 7	0 4 1 8 2	0 4 1 9 9
0 5 0	0 1 0	0 1 8	0 4 0 1 2	0 3 7 4 3	0 3 7 9 9
0 5 0	0 1 0	0 2 0	0 3 6 4 9	0 3 5 7 7	0 3 4 6 9
0 5 0	0 1 0	0 4 0	0 1 7 8 3	0 1 5 1 2	0 1 8 5 2
0 5 0	0 1 0	0 6 0	0 0 9 8 6	0 0 7 4 3	0 1 2 6 2
0 5 0	0 1 0	0 8 0	0 0 4 7 3	0 0 2 9 0	0 0 9 5 7
0 5 0	0 1 0	0 9 0	0 0 2 5 9	0 0 1 2 5	0 0 8 5 4
0 5 0	0 1 0	0 9 4	0 0 1 7 5	0 0 0 7 0	0 0 8 1 6
0 5 0	0 1 0	0 9 8	0 0 0 5 6	0 0 0 2 5	0 0 7 8 6
0 5 0	0 1 0	1 0 0	0 0 0 2 3	0 0 0 2 3	0 0 7 7 0

TABLE 5 Intensities (Continued)

τ	μ_0	μ	I_ℓ	$I_{\ell a}$	I_r
0 5 0	0 2 0	0 0 6	1 0 3 2 7	0 9 8 5 9	0 9 9 0 9
0 5 0	0 2 0	0 1 0	0 7 2 9 7	0 6 7 5 3	0 6 9 4 1
0 5 0	0 2 0	0 1 4	0 5 6 1 7	0 5 0 3 7	0 5 3 1 2
0 5 0	0 2 0	0 1 8	0 4 5 5 5	0 3 9 5 6	0 4 2 9 7
0 5 0	0 2 0	0 2 0	0 4 1 5 7	0 3 5 5 1	0 3 9 2 1
0 5 0	0 2 0	0 2 4	0 3 5 2 9	0 2 9 1 7	0 3 3 3 6
0 5 0	0 2 0	0 2 8	0 3 0 5 4	0 2 4 3 9	0 2 9 0 3
0 5 0	0 2 0	0 3 2	0 2 6 7 8	0 2 0 6 4	0 2 5 6 9
0 5 0	0 2 0	0 4 0	0 2 1 1 3	0 1 5 1 0	0 2 0 8 8
0 5 0	0 2 0	0 6 0	0 1 2 2 9	0 0 6 9 1	0 1 4 2 2
0 5 0	0 2 0	0 8 0	0 0 6 4 1	0 0 2 3 4	0 1 0 7 7
0 5 0	0 2 0	0 9 0	0 0 3 8 2	0 0 0 8 5	0 0 9 6 1
0 5 0	0 2 0	0 9 4	0 0 2 7 5	0 0 0 4 2	0 0 9 2 1
0 5 0	0 2 0	0 9 8	0 0 1 5 5	0 0 0 1 9	0 0 8 8 5
0 5 0	0 2 0	1 0 0	0 0 0 5 2	0 0 0 5 2	0 0 8 6 7
0 5 0	0 4 0	0 0 6	0 9 9 4 3	0 9 0 0 5	1 0 6 2 8
0 5 0	0 4 0	0 1 0	0 7 1 2 3	0 6 0 3 6	0 7 4 2 0
0 5 0	0 4 0	0 2 0	0 4 2 2 1	0 3 0 1 4	0 4 1 8 1
0 5 0	0 4 0	0 2 8	0 3 2 0 3	0 1 9 7 9	0 3 0 9 3
0 5 0	0 4 0	0 3 2	0 2 8 5 6	0 1 6 3 5	0 2 7 3 7
0 5 0	0 4 0	0 3 6	0 2 5 7 2	0 1 3 5 9	0 2 4 5 4
0 5 0	0 4 0	0 4 0	0 2 3 3 4	0 1 1 3 2	0 2 2 2 5
0 5 0	0 4 0	0 4 4	0 2 1 2 7	0 0 9 4 4	0 2 0 3 3
0 5 0	0 4 0	0 5 2	0 1 7 8 3	0 0 6 4 8	0 1 7 3 5
0 5 0	0 4 0	0 6 0	0 1 4 9 8	0 0 4 2 8	0 1 5 1 3
0 5 0	0 4 0	0 8 0	0 0 9 0 5	0 0 0 9 4	0 1 1 4 7
0 5 0	0 4 0	0 9 0	0 0 6 1 7	0 0 0 2 6	0 1 0 2 3
0 5 0	0 4 0	0 9 4	0 0 4 8 8	0 0 0 2 5	0 0 9 8 1
0 5 0	0 4 0	0 9 8	0 0 3 3 0	0 0 0 5 9	0 0 9 4 2
0 5 0	0 4 0	1 0 0	0 0 1 6 4	0 0 1 6 4	0 0 9 2 3
0 5 0	0 6 0	0 0 6	0 8 0 5 0	0 6 7 9 5	1 0 9 0 0
0 5 0	0 6 0	0 1 0	0 5 8 8 9	0 4 4 3 4	0 7 6 0 2
0 5 0	0 6 0	0 2 0	0 3 6 7 3	0 2 0 5 9	0 4 2 8 0
0 5 0	0 6 0	0 4 0	0 2 2 4 2	0 0 6 3 7	0 2 2 7 5
0 5 0	0 6 0	0 5 2	0 1 8 2 2	0 0 3 0 4	0 1 7 7 5
0 5 0	0 6 0	0 5 6	0 1 7 0 7	0 0 2 3 0	0 1 6 5 4
0 5 0	0 6 0	0 6 0	0 1 6 0 1	0 0 1 6 9	0 1 5 4 8
0 5 0	0 6 0	0 6 4	0 1 4 9 8	0 0 1 2 1	0 1 4 5 5
0 5 0	0 6 0	0 6 8	0 1 4 0 0	0 0 0 8 2	0 1 3 7 3
0 5 0	0 6 0	0 7 2	0 1 3 0 4	0 0 0 5 4	0 1 2 9 9
0 5 0	0 6 0	0 8 0	0 1 1 1 1	0 0 0 2 7	0 1 1 7 3
0 5 0	0 6 0	0 9 0	0 0 8 4 8	0 0 0 5 8	0 1 0 4 7
0 5 0	0 6 0	0 9 4	0 0 7 2 1	0 0 1 0 2	0 1 0 0 3
0 5 0	0 6 0	0 9 8	0 0 5 5 3	0 0 1 9 2	0 0 9 6 3
0 5 0	0 6 0	1 0 0	0 0 3 5 4	0 0 3 5 4	0 0 9 4 4

TABLE 5 Intensities (Continued)

τ	μ_o	μ	I_ℓ	$I_{\ell a}$	I_r
0.50	0.80	0.06	0.04925	0.03655	1.11061
0.50	0.80	0.10	0.03738	0.02267	0.77710
0.50	0.80	0.20	0.02539	0.00908	0.43339
0.50	0.80	0.40	0.01799	0.00177	0.23006
0.50	0.80	0.60	0.01477	0.00032	0.15669
0.50	0.80	0.68	0.01372	0.00041	0.13991
0.50	0.80	0.72	0.01319	0.00057	0.13117
0.50	0.80	0.76	0.01254	0.00080	0.12500
0.50	0.80	0.80	0.01204	0.00116	0.11992
0.50	0.80	0.84	0.01144	0.00152	0.11334
0.50	0.80	0.88	0.01074	0.00204	0.10684
0.50	0.80	0.90	0.01034	0.00236	0.10361
0.50	0.80	0.94	0.00941	0.00315	0.10117
0.50	0.80	0.98	0.00806	0.00410	0.00976
0.50	0.80	1.00	0.00621	0.00621	0.00957
0.50	0.90	0.06	0.02866	0.01824	1.11125
0.50	0.90	0.10	0.02267	0.01060	0.77753
0.50	0.90	0.20	0.01684	0.00346	0.43663
0.50	0.90	0.40	0.01373	0.00042	0.23119
0.50	0.90	0.60	0.01265	0.00080	0.15778
0.50	0.90	0.80	0.01161	0.00263	0.11995
0.50	0.90	0.84	0.01131	0.00318	0.11140
0.50	0.90	0.88	0.01095	0.00382	0.10990
0.50	0.90	0.90	0.01071	0.00426	0.10667
0.50	0.90	0.92	0.01047	0.00476	0.10444
0.50	0.90	0.94	0.01016	0.00543	0.10222
0.50	0.90	0.96	0.00978	0.00627	0.10031
0.50	0.90	0.98	0.00925	0.00745	0.09891
0.50	0.90	1.00	0.00783	0.00783	0.09662
0.50	0.94	0.06	0.01924	0.01071	1.11148
0.50	0.94	0.10	0.01575	0.00547	0.77769
0.50	0.94	0.20	0.01254	0.00153	0.43722
0.50	0.94	0.40	0.01129	0.00041	0.23223
0.50	0.94	0.60	0.01121	0.00151	0.15881
0.50	0.94	0.80	0.01103	0.00358	0.11998
0.50	0.94	0.84	0.01091	0.00425	0.11142
0.50	0.94	0.88	0.01073	0.00519	0.10992
0.50	0.94	0.90	0.01051	0.00584	0.10668
0.50	0.94	0.92	0.01046	0.00664	0.10446
0.50	0.94	0.94	0.01023	0.00769	0.10224
0.50	0.94	0.96	0.01001	0.00921	0.10033
0.50	0.94	0.98	0.00964	0.01179	0.09893
0.50	0.94	1.00	0.00834	0.01334	0.09664

TABLE 5 Intensities (Continued)

τ	μ_o	μ	I_l	I_{la}	I_r
0 5 0	0 9 8	0 0 6	0 0 8 7 1	0 0 3 5 1	1 1 1 7 1
0 5 0	0 9 8	0 1 0	0 0 7 7 1	0 0 1 7 0	0 7 7 8 4
0 5 0	0 9 8	0 2 0	0 0 7 1 7	0 0 0 5 0	0 4 3 8 0
0 5 0	0 9 8	0 4 0	0 0 7 8 8	0 0 1 2 6	0 2 3 2 8
0 5 0	0 9 8	0 6 0	0 0 8 9 4	0 0 3 0 3	0 1 5 8 4
0 5 0	0 9 8	0 8 0	0 0 9 8 3	0 0 5 3 5	0 1 2 0 0
0 5 0	0 9 8	0 8 4	0 0 9 9 5	0 0 5 9 0	0 1 1 4 5
0 5 0	0 9 8	0 8 8	0 1 0 0 3	0 0 6 4 8	0 1 0 9 4
0 5 0	0 9 8	0 9 0	0 1 0 0 6	0 0 6 7 9	0 1 0 7 0
0 5 0	0 9 8	0 9 2	0 1 0 0 6	0 0 7 1 3	0 1 0 4 8
0 5 0	0 9 8	0 9 4	0 1 0 0 4	0 0 7 4 8	0 1 0 2 6
0 5 0	0 9 8	0 9 6	0 0 9 9 8	0 0 7 8 8	0 1 0 0 5
0 5 0	0 9 8	0 9 8	0 0 9 6 2	0 0 8 5 7	0 0 9 8 5
0 5 0	0 9 8	1 0 0	0 0 9 2 7	0 0 9 2 7	0 0 9 6 6
0 5 0	1 0 0	0 0 6	0 0 1 5 3	0 0 1 5 3	1 1 1 8 2
0 5 0	1 0 0	0 1 0	0 0 1 5 5	0 0 1 5 5	0 7 7 9 2
0 5 0	1 0 0	0 2 0	0 0 2 1 7	0 0 2 1 7	0 4 3 8 4
0 5 0	1 0 0	0 4 0	0 0 3 9 1	0 0 3 9 1	0 2 3 3 0
0 5 0	1 0 0	0 6 0	0 0 5 7 9	0 0 5 7 9	0 1 5 8 5
0 5 0	1 0 0	0 8 0	0 0 7 7 1	0 0 7 7 1	0 1 2 0 1
0 5 0	1 0 0	0 8 4	0 0 8 1 0	0 0 8 1 0	0 1 1 4 6
0 5 0	1 0 0	0 8 8	0 0 8 4 9	0 0 8 4 9	0 1 0 9 5
0 5 0	1 0 0	0 9 0	0 0 8 6 8	0 0 8 6 8	0 1 0 7 1
0 5 0	1 0 0	0 9 2	0 0 8 8 8	0 0 8 8 8	0 1 0 4 9
0 5 0	1 0 0	0 9 4	0 0 9 0 7	0 0 9 0 7	0 1 0 2 7
0 5 0	1 0 0	0 9 6	0 0 9 2 6	0 0 9 2 6	0 1 0 0 6
0 5 0	1 0 0	0 9 8	0 0 9 4 6	0 0 9 4 6	0 0 9 8 6
0 5 0	1 0 0	1 0 0	0 0 9 6 5	0 0 9 6 5	0 0 9 6 6
1 0 0	0 0 2	0 0 0	0 0 7 0 0	0 0 7 0 0	0 0 4 8 1
1 0 0	0 0 2	0 0 2	0 1 3 0 0	0 1 3 0 0	0 1 1 0 0
1 0 0	0 0 2	0 0 4	0 2 1 0 5	0 2 0 9 9	0 1 8 0 5
1 0 0	0 0 2	0 0 6	0 2 3 4 8	0 2 3 3 8	0 2 0 6 7
1 0 0	0 0 2	0 0 8	0 2 3 2 2	0 2 3 0 9	0 2 0 7 1
1 0 0	0 0 2	0 1 0	0 2 2 0 3	0 2 1 8 7	0 1 9 8 2
1 0 0	0 0 2	0 1 2	0 2 0 5 8	0 2 0 4 1	0 1 8 6 5
1 0 0	0 0 2	0 2 0	0 1 5 3 7	0 1 5 1 4	0 1 4 3 4
1 0 0	0 0 2	0 4 0	0 0 8 2 0	0 0 7 9 4	0 0 8 6 7
1 0 0	0 0 2	0 6 0	0 0 4 5 3	0 0 4 3 0	0 0 6 1 6
1 0 0	0 0 2	0 8 0	0 0 2 0 9	0 0 1 9 1	0 0 4 7 7
1 0 0	0 0 2	0 9 0	0 0 1 0 9	0 0 0 9 5	0 0 4 2 8
1 0 0	0 0 2	0 9 4	0 0 0 7 1	0 0 0 6 1	0 0 4 1 2
1 0 0	0 0 2	0 9 8	0 0 0 3 4	0 0 0 2 8	0 0 3 9 6
1 0 0	0 0 2	1 0 0	0 0 0 1 4	0 0 0 1 4	0 0 3 8 9

TABLE 5 Intensities (Continued)

τ	μ_o	μ	I_ℓ	$I_{\ell a}$	I_r
1.00	0.10	0.06	1.0661	1.0431	0.9636
1.00	0.10	0.08	0.9653	0.9375	0.8732
1.00	0.10	0.10	0.8699	0.8385	0.7874
1.00	0.10	0.12	0.7870	0.7530	0.7134
1.00	0.10	0.14	0.7155	0.6795	0.6498
1.00	0.10	0.16	0.6540	0.6164	0.5956
1.00	0.10	0.18	0.6010	0.5621	0.5491
1.00	0.10	0.20	0.5548	0.5149	0.5090
1.00	0.10	0.40	0.2908	0.2481	0.2915
1.00	0.10	0.60	0.1651	0.1260	0.2035
1.00	0.10	0.80	0.0810	0.0510	0.1563
1.00	0.10	0.90	0.0453	0.0233	0.1400
1.00	0.10	0.94	0.0312	0.0140	0.1344
1.00	0.10	0.98	0.0164	0.0063	0.1292
1.00	0.10	1.00	0.0059	0.0059	0.1268
1.00	0.20	0.06	1.3795	1.3193	1.2762
1.00	0.20	0.10	1.1052	1.0294	1.0185
1.00	0.20	0.14	0.9097	0.8190	0.8312
1.00	0.20	0.18	0.7657	0.6684	0.6982
1.00	0.20	0.20	0.7084	0.6088	0.6461
1.00	0.20	0.24	0.6136	0.5107	0.5611
1.00	0.20	0.28	0.5387	0.4339	0.4956
1.00	0.20	0.32	0.4777	0.3719	0.4436
1.00	0.20	0.40	0.3830	0.2773	0.3665
1.00	0.20	0.60	0.2279	0.1315	0.2551
1.00	0.20	0.80	0.1209	0.0470	0.1956
1.00	0.20	0.90	0.0729	0.0188	0.1751
1.00	0.20	0.94	0.0531	0.0107	0.1681
1.00	0.20	0.98	0.0309	0.0061	0.1616
1.00	0.20	1.00	0.0120	0.0120	0.1585
1.00	0.40	0.06	1.4359	1.3055	1.4822
1.00	0.40	0.10	1.1606	0.9897	1.1689
1.00	0.40	0.20	0.7647	0.5532	0.7344
1.00	0.40	0.28	0.5993	0.3773	0.5620
1.00	0.40	0.32	0.5398	0.3158	0.5027
1.00	0.40	0.36	0.4900	0.2656	0.4545
1.00	0.40	0.40	0.4474	0.2235	0.4147
1.00	0.40	0.44	0.4097	0.1882	0.3813
1.00	0.40	0.52	0.3461	0.1317	0.3284
1.00	0.40	0.60	0.2924	0.0890	0.2883
1.00	0.40	0.80	0.1786	0.0227	0.2208
1.00	0.40	0.90	0.1224	0.0084	0.1976
1.00	0.40	0.94	0.0972	0.0078	0.1897
1.00	0.40	0.98	0.0663	0.0141	0.1823
1.00	0.40	1.00	0.0342	0.0342	0.1789

TABLE 5 Intensities (Continued)

τ	μ_0	μ	I_ℓ	$I_{\ell a}$	I_r
1 0 0	0 6 0	0 0 6	1 1 9 6 7	1 0 1 7 1	1 5 6 3 6
1 0 0	0 6 0	0 1 0	0 9 8 4 0	0 7 4 9 6	1 2 2 8 3
1 0 0	0 6 0	0 2 0	0 6 7 9 8	0 3 9 0 6	0 7 6 9 3
1 0 0	0 6 0	0 4 0	0 4 3 7 3	0 1 3 2 2	0 4 3 3 8
1 0 0	0 6 0	0 5 2	0 3 5 9 3	0 0 6 6 7	0 3 4 3 3
1 0 0	0 6 0	0 5 6	0 3 3 7 6	0 0 5 1 8	0 3 2 1 0
1 0 0	0 6 0	0 6 0	0 3 1 7 0	0 0 3 9 5	0 3 0 1 4
1 0 0	0 6 0	0 6 4	0 2 9 7 4	0 0 2 9 4	0 2 8 4 0
1 0 0	0 6 0	0 6 8	0 2 7 8 3	0 0 2 1 5	0 2 6 8 5
1 0 0	0 6 0	0 7 2	0 2 5 9 6	0 0 1 5 5	0 2 5 4 6
1 0 0	0 6 0	0 8 0	0 2 2 1 8	0 0 0 9 3	0 2 3 0 7
1 0 0	0 6 0	0 9 0	0 1 6 9 8	0 0 1 4 3	0 2 0 6 5
1 0 0	0 6 0	0 9 4	0 1 4 4 6	0 0 2 2 6	0 1 9 8 2
1 0 0	0 6 0	0 9 8	0 1 1 1 3	0 0 4 0 0	0 1 9 0 5
1 0 0	0 6 0	1 0 0	0 0 7 1 8	0 0 7 1 8	0 1 8 6 9
1 0 0	0 8 0	0 0 6	0 7 4 8 0	0 5 6 3 8	1 6 1 0 8
1 0 0	0 8 0	0 1 0	0 6 3 6 1	0 3 9 6 1	1 2 6 3 0
1 0 0	0 8 0	0 2 0	0 4 7 6 2	0 1 8 0 6	0 7 8 9 8
1 0 0	0 8 0	0 4 0	0 3 5 3 8	0 0 4 2 2	0 4 4 5 0
1 0 0	0 8 0	0 6 0	0 2 9 4 4	0 0 1 1 0	0 3 0 9 0
1 0 0	0 8 0	0 6 8	0 2 7 4 2	0 0 1 1 9	0 2 7 5 3
1 0 0	0 8 0	0 7 2	0 2 6 3 9	0 0 1 4 6	0 2 6 1 0
1 0 0	0 8 0	0 7 6	0 2 5 3 2	0 0 1 8 9	0 2 4 8 2
1 0 0	0 8 0	0 8 0	0 2 4 1 8	0 0 2 4 8	0 2 3 6 6
1 0 0	0 8 0	0 8 4	0 2 2 9 4	0 0 3 2 6	0 2 2 5 9
1 0 0	0 8 0	0 8 8	0 2 1 5 4	0 0 4 2 7	0 2 1 6 2
1 0 0	0 8 0	0 9 0	0 2 0 7 6	0 0 4 8 8	0 2 1 1 7
1 0 0	0 8 0	0 9 4	0 1 8 9 0	0 0 6 4 5	0 2 0 3 2
1 0 0	0 8 0	0 9 8	0 1 6 1 9	0 0 8 9 1	0 1 9 5 3
1 0 0	0 8 0	1 0 0	0 1 2 5 0	0 1 2 5 0	0 1 9 1 6
1 0 0	0 9 0	0 0 6	0 4 4 4 1	0 2 9 2 2	1 6 2 8 8
1 0 0	0 9 0	0 1 0	0 3 9 2 0	0 1 9 4 3	1 2 7 6 3
1 0 0	0 9 0	0 2 0	0 3 1 8 8	0 0 7 5 4	0 7 9 7 7
1 0 0	0 9 0	0 4 0	0 2 7 0 9	0 0 1 4 4	0 4 4 9 3
1 0 0	0 9 0	0 6 0	0 2 5 2 5	0 0 1 9 3	0 3 1 2 0
1 0 0	0 9 0	0 8 0	0 2 3 2 9	0 0 5 4 3	0 2 3 8 8
1 0 0	0 9 0	0 8 4	0 2 2 7 0	0 0 6 5 0	0 2 2 8 1
1 0 0	0 9 0	0 8 8	0 2 1 9 7	0 0 7 7 5	0 2 1 8 3
1 0 0	0 9 0	0 9 0	0 2 1 5 0	0 0 8 5 1	0 2 1 3 8
1 0 0	0 9 0	0 9 2	0 2 1 0 3	0 0 9 2 7	0 2 0 9 3
1 0 0	0 9 0	0 9 4	0 2 0 4 2	0 1 0 1 7	2 0 5 1
1 0 0	0 9 0	0 9 6	0 1 9 6 5	0 1 1 2 3	0 2 0 1 0
1 0 0	0 9 0	0 9 8	0 1 8 5 9	0 1 2 6 0	0 1 9 7 1
1 0 0	0 9 0	1 0 0	0 1 5 7 5	0 1 5 7 5	0 1 9 3 4

TABLE 5 Intensities (Continued)

τ	μ_o	μ	I_ℓ	$I_{\ell e}$	I_r
1.00	0.94	0.10	0.47754	0.11143	1.28811
1.00	0.94	0.20	0.23593	0.03998	0.80006
1.00	0.94	0.40	0.12255	0.01353	0.45091
1.00	0.94	0.60	0.08240	0.00329	0.31131
1.00	0.94	0.80	0.06212	0.00748	0.23996
1.00	0.94	0.84	0.05889	0.00861	0.22289
1.00	0.94	0.88	0.05654	0.00989	0.22191
1.00	0.94	0.90	0.05530	0.01059	0.22145
1.00	0.94	0.92	0.05400	0.01137	0.22101
1.00	0.94	0.94	0.05256	0.01229	0.22059
1.00	0.94	0.96	0.05012	0.01322	0.22017
1.00	0.94	0.98	0.04957	0.01446	0.21978
1.00	0.94	1.00	0.04716	0.01716	0.21941
1.00	0.98	0.06	0.14773	0.00713	1.64117
1.00	0.98	0.10	0.14421	0.00433	1.28858
1.00	0.98	0.20	0.14000	0.00184	0.80034
1.00	0.98	0.40	0.13570	0.00259	0.45024
1.00	0.98	0.60	0.13239	0.00624	0.31141
1.00	0.98	0.80	0.11972	0.01080	0.24044
1.00	0.98	0.84	0.11997	0.01188	0.22297
1.00	0.98	0.88	0.12014	0.01304	0.21986
1.00	0.98	0.90	0.12019	0.01367	0.21952
1.00	0.98	0.92	0.12021	0.01433	0.21908
1.00	0.98	0.94	0.12017	0.01505	0.22065
1.00	0.98	0.96	0.12005	0.01585	0.22024
1.00	0.98	0.98	0.11954	0.01724	0.21986
1.00	0.98	1.00	0.11864	0.01864	0.21947
1.00	1.00	0.06	0.00407	0.00407	1.64477
1.00	1.00	0.10	0.00396	0.00396	1.28811
1.00	1.00	0.20	0.00480	0.00480	0.80048
1.00	1.00	0.40	0.00797	0.00797	0.45032
1.00	1.00	0.60	0.01166	0.01166	0.31146
1.00	1.00	0.80	0.01549	0.01549	0.24008
1.00	1.00	0.84	0.01627	0.01627	0.23000
1.00	1.00	0.88	0.01705	0.01705	0.22202
1.00	1.00	0.90	0.01744	0.01744	0.21955
1.00	1.00	0.92	0.01783	0.01783	0.22111
1.00	1.00	0.94	0.01822	0.01822	0.22068
1.00	1.00	0.96	0.01861	0.01861	0.22028
1.00	1.00	0.98	0.01900	0.01900	0.21988
1.00	1.00	1.00	0.01939	0.01939	0.21948

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ*	I_r*
0 1 0	0 2 5	0 0 2	0 0 2	0 0 0 3 9	0 0 0 3 9
0 1 0	0 2 5	0 0 2	0 0 4	0 0 0 2 2	0 0 0 2 2
0 1 0	0 2 5	0 0 2	0 0 6	0 0 0 1 5	0 0 0 1 5
0 1 0	0 2 5	0 0 2	0 0 8	0 0 0 1 1	0 0 0 1 1
0 1 0	0 2 5	0 0 2	0 1 0	0 0 0 0 9	0 0 0 0 9
0 1 0	0 2 5	0 0 2	0 1 2	0 0 0 0 8	0 0 0 0 8
0 1 0	0 2 5	0 0 2	0 2 0	0 0 0 0 4	0 0 0 0 4
0 1 0	0 2 5	0 0 2	0 4 0	0 0 0 0 2	0 0 0 0 2
0 1 0	0 2 5	0 0 2	0 6 0	0 0 0 0 1	0 0 0 0 1
0 1 0	0 2 5	0 0 2	0 8 0	0 0 0 0 1	0 0 0 0 1
0 1 0	0 2 5	0 0 2	0 9 0	0 0 0 0 1	0 0 0 0 1
0 1 0	0 2 5	0 0 2	0 9 4	0 0 0 0 1	0 0 0 0 1
0 1 0	0 2 5	0 0 2	0 9 8	0 0 0 0 1	0 0 0 0 1
0 1 0	0 2 5	0 0 2	1 0 0	0 0 0 0 1	0 0 0 0 1
0 1 0	0 2 5	0 1 0	0 0 6	0 0 0 9 1	0 0 0 9 1
0 1 0	0 2 5	0 1 0	0 0 8	0 0 0 7 0	0 0 0 7 0
0 1 0	0 2 5	0 1 0	0 1 0	0 0 0 5 6	0 0 0 5 6
0 1 0	0 2 5	0 1 0	0 1 2	0 0 0 4 7	0 0 0 4 7
0 1 0	0 2 5	0 1 0	0 1 4	0 0 0 4 1	0 0 0 4 1
0 1 0	0 2 5	0 1 0	0 1 6	0 0 0 3 6	0 0 0 3 6
0 1 0	0 2 5	0 1 0	0 1 8	0 0 0 3 2	0 0 0 3 2
0 1 0	0 2 5	0 1 0	0 2 0	0 0 0 2 9	0 0 0 2 9
0 1 0	0 2 5	0 1 0	0 4 0	0 0 0 1 4	0 0 0 1 4
0 1 0	0 2 5	0 1 0	0 6 0	0 0 0 0 9	0 0 0 0 9
0 1 0	0 2 5	0 1 0	0 8 0	0 0 0 0 7	0 0 0 0 7
0 1 0	0 2 5	0 1 0	0 9 0	0 0 0 0 6	0 0 0 0 6
0 1 0	0 2 5	0 1 0	0 9 4	0 0 0 0 6	0 0 0 0 6
0 1 0	0 2 5	0 1 0	0 9 8	0 0 0 0 6	0 0 0 0 6
0 1 0	0 2 5	0 1 0	1 0 0	0 0 0 0 5	0 0 0 0 5
0 1 0	0 2 5	0 2 0	0 0 6	0 0 1 8 7	0 0 1 8 7
0 1 0	0 2 5	0 2 0	0 1 0	0 0 1 1 6	0 0 1 1 6
0 1 0	0 2 5	0 2 0	0 1 4	0 0 0 8 4	0 0 0 8 4
0 1 0	0 2 5	0 2 0	0 1 8	0 0 0 6 6	0 0 0 6 6
0 1 0	0 2 5	0 2 0	0 2 0	0 0 0 5 9	0 0 0 5 9
0 1 0	0 2 5	0 2 0	0 2 4	0 0 0 4 9	0 0 0 4 9
0 1 0	0 2 5	0 2 0	0 2 8	0 0 0 4 2	0 0 0 4 2
0 1 0	0 2 5	0 2 0	0 3 2	0 0 0 3 7	0 0 0 3 7
0 1 0	0 2 5	0 2 0	0 4 0	0 0 0 3 0	0 0 0 3 0
0 1 0	0 2 5	0 2 0	0 6 0	0 0 0 2 0	0 0 0 2 0
0 1 0	0 2 5	0 2 0	0 8 0	0 0 0 1 5	0 0 0 1 5
0 1 0	0 2 5	0 2 0	0 9 0	0 0 0 1 3	0 0 0 1 3
0 1 0	0 2 5	0 2 0	0 9 4	0 0 0 1 2	0 0 0 1 2
0 1 0	0 2 5	0 2 0	0 9 8	0 0 0 1 2	0 0 0 1 2
0 1 0	0 2 5	0 2 0	1 0 0	0 0 0 1 2	0 0 0 1 2

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_c*	I_r*
0 1 0	0 2 5	0 4 0	0 0 6	0 0 3 8 0	0 0 3 8 0
0 1 0	0 2 5	0 4 0	0 1 0	0 0 2 3 5	0 0 2 3 5
0 1 0	0 2 5	0 4 0	0 2 0	0 0 1 2 0	0 0 1 2 0
0 1 0	0 2 5	0 4 0	0 2 8	0 0 0 8 6	0 0 0 8 6
0 1 0	0 2 5	0 4 0	0 3 2	0 0 0 7 6	0 0 0 7 6
0 1 0	0 2 5	0 4 0	0 3 6	0 0 0 6 7	0 0 0 6 7
0 1 0	0 2 5	0 4 0	0 4 0	0 0 0 6 1	0 0 0 6 1
0 1 0	0 2 5	0 4 0	0 4 4	0 0 0 5 5	0 0 0 5 5
0 1 0	0 2 5	0 4 0	0 5 2	0 0 0 4 7	0 0 0 4 7
0 1 0	0 2 5	0 4 0	0 6 0	0 0 0 4 0	0 0 0 4 0
0 1 0	0 2 5	0 4 0	0 8 0	0 0 0 3 0	0 0 0 3 0
0 1 0	0 2 5	0 4 0	0 9 0	0 0 0 2 7	0 0 0 2 7
0 1 0	0 2 5	0 4 0	0 9 4	0 0 0 2 6	0 0 0 2 6
0 1 0	0 2 5	0 4 0	0 9 8	0 0 0 2 5	0 0 0 2 5
0 1 0	0 2 5	0 4 0	1 0 0	0 0 0 2 4	0 0 0 2 4
0 1 0	0 2 5	0 6 0	0 0 6	0 0 5 7 2	0 0 5 7 2
0 1 0	0 2 5	0 6 0	0 1 0	0 0 3 5 4	0 0 3 5 4
0 1 0	0 2 5	0 6 0	0 2 0	0 0 1 8 1	0 0 1 8 1
0 1 0	0 2 5	0 6 0	0 4 0	0 0 0 9 2	0 0 0 9 2
0 1 0	0 2 5	0 6 0	0 5 2	0 0 0 7 0	0 0 0 7 0
0 1 0	0 2 5	0 6 0	0 5 6	0 0 0 6 5	0 0 0 6 5
0 1 0	0 2 5	0 6 0	0 6 0	0 0 0 6 1	0 0 0 6 1
0 1 0	0 2 5	0 6 0	0 6 4	0 0 0 5 7	0 0 0 5 7
0 1 0	0 2 5	0 6 0	0 6 8	0 0 0 5 4	0 0 0 5 4
0 1 0	0 2 5	0 6 0	0 7 2	0 0 0 5 1	0 0 0 5 1
0 1 0	0 2 5	0 6 0	0 8 0	0 0 0 4 6	0 0 0 4 6
0 1 0	0 2 5	0 6 0	0 9 0	0 0 0 4 1	0 0 0 4 1
0 1 0	0 2 5	0 6 0	0 9 4	0 0 0 3 9	0 0 0 3 9
0 1 0	0 2 5	0 6 0	0 9 8	0 0 0 3 7	0 0 0 3 7
0 1 0	0 2 5	0 6 0	1 0 0	0 0 0 3 7	0 0 0 3 7
0 1 0	0 2 5	0 8 0	0 0 6	0 0 7 6 5	0 0 7 6 5
0 1 0	0 2 5	0 8 0	0 1 0	0 0 4 7 4	0 0 4 7 4
0 1 0	0 2 5	0 8 0	0 2 0	0 0 2 4 2	0 0 2 4 2
0 1 0	0 2 5	0 8 0	0 4 0	0 0 1 2 2	0 0 1 2 2
0 1 0	0 2 5	0 8 0	0 6 0	0 0 0 8 2	0 0 0 8 2
0 1 0	0 2 5	0 8 0	0 6 8	0 0 0 7 2	0 0 0 7 2
0 1 0	0 2 5	0 8 0	0 7 2	0 0 0 6 8	0 0 0 6 8
0 1 0	0 2 5	0 8 0	0 7 6	0 0 0 6 5	0 0 0 6 5
0 1 0	0 2 5	0 8 0	0 8 0	0 0 0 6 1	0 0 0 6 1
0 1 0	0 2 5	0 8 0	0 8 4	0 0 0 5 8	0 0 0 5 8
0 1 0	0 2 5	0 8 0	0 8 8	0 0 0 5 6	0 0 0 5 6
0 1 0	0 2 5	0 8 0	0 9 0	0 0 0 5 5	0 0 0 5 5
0 1 0	0 2 5	0 8 0	0 9 4	0 0 0 5 2	0 0 0 5 2
0 1 0	0 2 5	0 8 0	0 9 8	0 0 0 5 0	0 0 0 5 0
0 1 0	0 2 5	0 8 0	1 0 0	0 0 0 4 9	0 0 0 4 9

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ^*	I_ℓ^*
0 1 0	0 2 5	0 9 0	0 0 6	0 0 8 6 1	0 0 8 6 1
0 1 0	0 2 5	0 9 0	0 1 0	0 0 5 3 3	0 0 5 3 3
0 1 0	0 2 5	0 9 0	0 2 0	0 0 2 7 3	0 0 2 7 3
0 1 0	0 2 5	0 9 0	0 4 0	0 0 1 3 8	0 0 1 3 8
0 1 0	0 2 5	0 9 0	0 6 0	0 0 0 9 2	0 0 0 9 2
0 1 0	0 2 5	0 9 0	0 8 0	0 0 0 6 9	0 0 0 6 9
0 1 0	0 2 5	0 9 0	0 8 4	0 0 0 6 6	0 0 0 6 6
0 1 0	0 2 5	0 9 0	0 8 8	0 0 0 6 3	0 0 0 6 3
0 1 0	0 2 5	0 9 0	0 9 0	0 0 0 6 1	0 0 0 6 1
0 1 0	0 2 5	0 9 0	0 9 2	0 0 0 6 0	0 0 0 6 0
0 1 0	0 2 5	0 9 0	0 9 4	0 0 0 5 9	0 0 0 5 9
0 1 0	0 2 5	0 9 0	0 9 6	0 0 0 5 8	0 0 0 5 8
0 1 0	0 2 5	0 9 0	0 9 8	0 0 0 5 6	0 0 0 5 6
0 1 0	0 2 5	0 9 0	1 0 0	0 0 0 5 5	0 0 0 5 5
0 1 0	0 2 5	0 9 4	0 0 6	0 0 9 0 0	0 0 8 9 9
0 1 0	0 2 5	0 9 4	0 1 0	0 0 5 5 7	0 0 5 5 7
0 1 0	0 2 5	0 9 4	0 2 0	0 0 2 8 5	0 0 2 8 5
0 1 0	0 2 5	0 9 4	0 4 0	0 0 1 4 4	0 0 1 4 4
0 1 0	0 2 5	0 9 4	0 6 0	0 0 0 9 6	0 0 0 9 6
0 1 0	0 2 5	0 9 4	0 8 0	0 0 0 7 2	0 0 0 7 2
0 1 0	0 2 5	0 9 4	0 8 4	0 0 0 6 9	0 0 0 6 9
0 1 0	0 2 5	0 9 4	0 8 8	0 0 0 6 6	0 0 0 6 6
0 1 0	0 2 5	0 9 4	0 9 0	0 0 0 6 4	0 0 0 6 4
0 1 0	0 2 5	0 9 4	0 9 2	0 0 0 6 3	0 0 0 6 3
0 1 0	0 2 5	0 9 4	0 9 4	0 0 0 6 1	0 0 0 6 1
0 1 0	0 2 5	0 9 4	0 9 6	0 0 0 6 0	0 0 0 6 0
0 1 0	0 2 5	0 9 4	0 9 8	0 0 0 5 9	0 0 0 5 9
0 1 0	0 2 5	0 9 4	1 0 0	0 0 0 5 8	0 0 0 5 8
0 1 0	0 2 5	0 9 8	0 0 6	0 0 9 3 8	0 0 9 3 8
0 1 0	0 2 5	0 9 8	0 1 0	0 0 5 8 1	0 0 5 8 1
0 1 0	0 2 5	0 9 8	0 2 0	0 0 2 9 7	0 0 2 9 7
0 1 0	0 2 5	0 9 8	0 4 0	0 0 1 5 0	0 0 1 5 0
0 1 0	0 2 5	0 9 8	0 6 0	0 0 1 0 0	0 0 1 0 0
0 1 0	0 2 5	0 9 8	0 8 0	0 0 0 7 5	0 0 0 7 5
0 1 0	0 2 5	0 9 8	0 8 4	0 0 0 7 2	0 0 0 7 2
0 1 0	0 2 5	0 9 8	0 8 8	0 0 0 6 8	0 0 0 6 8
0 1 0	0 2 5	0 9 8	0 9 0	0 0 0 6 7	0 0 0 6 7
0 1 0	0 2 5	0 9 8	0 9 2	0 0 0 6 5	0 0 0 6 6
0 1 0	0 2 5	0 9 8	0 9 4	0 0 0 6 4	0 0 0 6 4
0 1 0	0 2 5	0 9 8	0 9 6	0 0 0 6 3	0 0 0 6 3
0 1 0	0 2 5	0 9 8	0 9 8	0 0 0 6 1	0 0 0 6 1
0 1 0	0 2 5	0 9 8	1 0 0	0 0 0 6 0	0 0 0 6 0

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_l^*	I_r^*
0 1 0	0 2 5	1 0 0	0 0 6	0 0 9 5 7	0 0 9 5 7
0 1 0	0 2 5	1 0 0	0 1 0	0 0 5 9 3	0 0 5 9 3
0 1 0	0 2 5	1 0 0	0 2 0	0 0 3 0 4	0 0 3 0 4
0 1 0	0 2 5	1 0 0	0 4 0	0 0 1 5 3	0 0 1 5 3
0 1 0	0 2 5	1 0 0	0 6 0	0 0 1 0 3	0 0 1 0 3
0 1 0	0 2 5	1 0 0	0 8 0	0 0 0 7 7	0 0 0 7 7
0 1 0	0 2 5	1 0 0	0 8 4	0 0 0 7 3	0 0 0 7 3
0 1 0	0 2 5	1 0 0	0 8 8	0 0 0 7 0	0 0 0 7 0
0 1 0	0 2 5	1 0 0	0 9 0	0 0 0 6 8	0 0 0 6 8
0 1 0	0 2 5	1 0 0	0 9 2	0 0 0 6 7	0 0 0 6 7
0 1 0	0 2 5	1 0 0	0 9 4	0 0 0 6 5	0 0 0 6 5
0 1 0	0 2 5	1 0 0	0 9 6	0 0 0 6 4	0 0 0 6 4
0 1 0	0 2 5	1 0 0	0 9 8	0 0 0 6 3	0 0 0 6 3
0 1 0	0 2 5	1 0 0	1 0 0	0 0 0 6 1	0 0 0 6 2
0 1 0	0 5 0	0 0 2	0 0 2	0 0 0 7 9	0 0 0 7 9
0 1 0	0 5 0	0 0 2	0 0 4	0 0 0 4 4	0 0 0 4 4
0 1 0	0 5 0	0 0 2	0 0 6	0 0 0 3 0	0 0 0 3 0
0 1 0	0 5 0	0 0 2	0 0 8	0 0 0 2 3	0 0 0 2 3
0 1 0	0 5 0	0 0 2	0 1 0	0 0 0 1 9	0 0 0 1 9
0 1 0	0 5 0	0 0 2	0 1 2	0 0 0 1 6	0 0 0 1 6
0 1 0	0 5 0	0 0 2	0 2 0	0 0 0 0 9	0 0 0 0 9
0 1 0	0 5 0	0 0 2	0 4 0	0 0 0 0 4	0 0 0 0 4
0 1 0	0 5 0	0 0 2	0 6 0	0 0 0 0 3	0 0 0 0 3
0 1 0	0 5 0	0 0 2	0 8 0	0 0 0 0 2	0 0 0 0 2
0 1 0	0 5 0	0 0 2	0 9 0	0 0 0 0 2	0 0 0 0 2
0 1 0	0 5 0	0 0 2	0 9 4	0 0 0 0 2	0 0 0 0 2
0 1 0	0 5 0	0 0 2	0 9 8	0 0 0 0 2	0 0 0 0 2
0 1 0	0 5 0	0 0 2	1 0 0	0 0 0 0 2	0 0 0 0 2
0 1 0	0 5 0	0 1 0	0 0 6	0 0 1 8 3	0 0 1 8 3
0 1 0	0 5 0	0 1 0	0 0 8	0 0 1 4 0	0 0 1 4 0
0 1 0	0 5 0	0 1 0	0 1 0	0 0 1 1 3	0 0 1 1 3
0 1 0	0 5 0	0 1 0	0 1 2	0 0 0 9 5	0 0 0 9 5
0 1 0	0 5 0	0 1 0	0 1 4	0 0 0 8 2	0 0 0 8 2
0 1 0	0 5 0	0 1 0	0 1 6	0 0 0 7 2	0 0 0 7 2
0 1 0	0 5 0	0 1 0	0 1 8	0 0 0 6 4	0 0 0 6 4
0 1 0	0 5 0	0 1 0	0 2 0	0 0 0 5 8	0 0 0 5 8
0 1 0	0 5 0	0 1 0	0 4 0	0 0 0 2 9	0 0 0 2 9
0 1 0	0 5 0	0 1 0	0 6 0	0 0 0 1 9	0 0 0 1 9
0 1 0	0 5 0	0 1 0	0 8 0	0 0 0 1 4	0 0 0 1 4
0 1 0	0 5 0	0 1 0	0 9 0	0 0 0 1 3	0 0 0 1 3
0 1 0	0 5 0	0 1 0	0 9 4	0 0 0 1 2	0 0 0 1 2
0 1 0	0 5 0	0 1 0	0 9 8	0 0 0 1 2	0 0 0 1 2
0 1 0	0 5 0	0 1 0	1 0 0	0 0 0 1 1	0 0 0 1 1

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ*	I_r*
0.10	0.50	0.20	0.06	0.0376	0.0376
0.10	0.50	0.20	0.10	0.0233	0.0233
0.10	0.50	0.20	0.14	0.0169	0.0168
0.10	0.50	0.20	0.18	0.0132	0.0132
0.10	0.50	0.20	0.20	0.0119	0.0119
0.10	0.50	0.20	0.24	0.0100	0.0100
0.10	0.50	0.20	0.28	0.0085	0.0085
0.10	0.50	0.20	0.32	0.0075	0.0075
0.10	0.50	0.20	0.40	0.0060	0.0060
0.10	0.50	0.20	0.60	0.0040	0.0040
0.10	0.50	0.20	0.80	0.0030	0.0030
0.10	0.50	0.20	0.90	0.0027	0.0027
0.10	0.50	0.20	0.94	0.0025	0.0025
0.10	0.50	0.20	0.98	0.0024	0.0024
0.10	0.50	0.20	1.00	0.0024	0.0024
0.10	0.50	0.40	0.06	0.0762	0.0762
0.10	0.50	0.40	0.10	0.0472	0.0472
0.10	0.50	0.40	0.20	0.0242	0.0242
0.10	0.50	0.40	0.28	0.0174	0.0174
0.10	0.50	0.40	0.32	0.0152	0.0152
0.10	0.50	0.40	0.36	0.0135	0.0135
0.10	0.50	0.40	0.40	0.0122	0.0122
0.10	0.50	0.40	0.44	0.0111	0.0111
0.10	0.50	0.40	0.52	0.0094	0.0094
0.10	0.50	0.40	0.60	0.0081	0.0082
0.10	0.50	0.40	0.80	0.0061	0.0061
0.10	0.50	0.40	0.90	0.0054	0.0054
0.10	0.50	0.40	0.94	0.0052	0.0052
0.10	0.50	0.40	0.98	0.0050	0.0050
0.10	0.50	0.40	1.00	0.0049	0.0049
0.10	0.50	0.60	0.06	0.1148	0.1148
0.10	0.50	0.60	0.10	0.0711	0.0711
0.10	0.50	0.60	0.20	0.0364	0.0364
0.10	0.50	0.60	0.40	0.0184	0.0184
0.10	0.50	0.60	0.52	0.0142	0.0142
0.10	0.50	0.60	0.56	0.0132	0.0132
0.10	0.50	0.60	0.60	0.0123	0.0123
0.10	0.50	0.60	0.64	0.0115	0.0115
0.10	0.50	0.60	0.68	0.0109	0.0109
0.10	0.50	0.60	0.72	0.0103	0.0103
0.10	0.50	0.60	0.80	0.0092	0.0092
0.10	0.50	0.60	0.90	0.0082	0.0082
0.10	0.50	0.60	0.94	0.0079	0.0079
0.10	0.50	0.60	0.98	0.0075	0.0075
0.10	0.50	0.60	1.00	0.0074	0.0074

TABLE 7 Isotropic Scattering

τ	λ	a_0	a	I_ℓ^+	I_ℓ^-
0 1 0	0 5 0	0 8 0	0 0 6	0 1 5 5 4	0 1 5 5 3
0 1 0	0 5 0	0 8 0	0 1 0	0 0 9 5 0	0 0 9 5 0
0 1 0	0 5 0	0 8 0	0 2 0	0 0 4 8 7	0 0 4 8 7
0 1 0	0 5 0	0 8 0	0 4 0	0 0 2 4 6	0 0 2 4 6
0 1 0	0 5 0	0 8 0	0 5 0	0 0 1 6 5	0 0 1 6 5
0 1 0	0 5 0	0 8 0	0 6 6	0 0 1 4 5	0 0 1 4 5
0 1 0	0 5 0	0 8 0	0 7 2	0 0 1 3 7	0 0 1 3 7
0 1 0	0 5 0	0 8 0	0 7 6	0 0 1 3 0	0 0 1 3 0
0 1 0	0 5 0	0 8 0	0 8 0	0 0 1 2 3	0 0 1 2 4
0 1 0	0 5 0	0 8 0	0 8 4	0 0 1 1 8	0 0 1 1 8
0 1 0	0 5 0	0 8 0	0 8 8	0 0 1 1 2	0 0 1 1 2
0 1 0	0 5 0	0 8 0	0 9 0	0 0 1 1 0	0 0 1 1 0
0 1 0	0 5 0	0 8 0	0 9 4	0 0 1 0 5	0 0 1 0 5
0 1 0	0 5 0	0 8 0	0 9 8	0 0 1 0 1	0 0 1 0 1
0 1 0	0 5 0	0 8 0	1 0 0	0 0 0 9 9	0 0 0 9 9
0 1 0	0 5 0	0 9 0	0 0 6	0 1 7 2 7	0 1 7 2 6
0 1 0	0 5 0	0 9 0	0 1 0	0 1 0 7 0	0 1 0 7 0
0 1 0	0 5 0	0 9 0	0 2 0	0 0 5 4 8	0 0 5 4 8
0 1 0	0 5 0	0 9 0	0 4 0	0 0 2 7 7	0 0 2 7 7
0 1 0	0 5 0	0 9 0	0 5 0	0 0 1 8 5	0 0 1 8 5
0 1 0	0 5 0	0 9 0	0 6 0	0 0 1 5 9	0 0 1 5 9
0 1 0	0 5 0	0 9 0	0 8 4	0 0 1 3 2	0 0 1 3 2
0 1 0	0 5 0	0 9 0	0 8 8	0 0 1 2 6	0 0 1 2 6
0 1 0	0 5 0	0 9 0	0 9 0	0 0 1 2 4	0 0 1 2 4
0 1 0	0 5 0	0 9 0	0 9 2	0 0 1 2 1	0 0 1 2 1
0 1 0	0 5 0	0 9 0	0 9 4	0 0 1 1 8	0 0 1 1 8
0 1 0	0 5 0	0 9 0	0 9 6	0 0 1 1 6	0 0 1 1 6
0 1 0	0 5 0	0 9 0	0 9 8	0 0 1 1 4	0 0 1 1 4
0 1 0	0 5 0	0 9 0	1 0 0	0 0 1 1 1	0 0 1 1 1
0 1 0	0 5 0	0 9 4	0 0 6	0 1 8 0 4	0 1 8 0 4
0 1 0	0 5 0	0 9 4	0 1 0	0 1 1 1 8	0 1 1 1 8
0 1 0	0 5 0	0 9 4	0 2 0	0 0 5 7 2	0 0 5 7 2
0 1 0	0 5 0	0 9 4	0 4 0	0 0 2 8 9	0 0 2 8 9
0 1 0	0 5 0	0 9 4	0 5 0	0 0 1 7 4	0 0 1 7 4
0 1 0	0 5 0	0 9 4	0 6 0	0 0 1 4 5	0 0 1 4 5
0 1 0	0 5 0	0 9 4	0 7 4	0 0 1 3 8	0 0 1 3 8
0 1 0	0 5 0	0 9 4	0 8 0	0 0 1 3 2	0 0 1 3 2
0 1 0	0 5 0	0 9 4	0 8 4	0 0 1 2 6	0 0 1 2 6
0 1 0	0 5 0	0 9 4	0 8 8	0 0 1 2 4	0 0 1 2 4
0 1 0	0 5 0	0 9 4	0 9 2	0 0 1 2 1	0 0 1 2 1
0 1 0	0 5 0	0 9 4	0 9 4	0 0 1 1 8	0 0 1 1 8
0 1 0	0 5 0	0 9 4	0 9 6	0 0 1 1 6	0 0 1 1 6
0 1 0	0 5 0	0 9 4	0 9 8	0 0 1 1 4	0 0 1 1 4
0 1 0	0 5 0	0 9 4	1 0 0	0 0 1 1 1	0 0 1 1 1

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ^*	I_r^*
0 1 0	0 5 0	0 9 8	0 0 6	0 1 8 8 1	0 1 8 8 1
0 1 0	0 5 0	0 9 8	0 1 0	0 1 1 6 6	0 1 1 6 5
0 1 0	0 5 0	0 9 8	0 2 0	0 0 5 9 7	0 0 5 9 7
0 1 0	0 5 0	0 9 8	0 4 0	0 0 3 0 2	0 0 3 0 2
0 1 0	0 5 0	0 9 8	0 6 0	0 0 2 0 2	0 0 2 0 2
0 1 0	0 5 0	0 9 8	0 8 0	0 0 1 5 2	0 0 1 5 2
0 1 0	0 5 0	0 9 8	0 8 4	0 0 1 4 4	0 0 1 4 4
0 1 0	0 5 0	0 9 8	0 8 8	0 0 1 3 8	0 0 1 3 8
0 1 0	0 5 0	0 9 8	0 9 0	0 0 1 3 5	0 0 1 3 5
0 1 0	0 5 0	0 9 8	0 9 2	0 0 1 3 2	0 0 1 3 2
0 1 0	0 5 0	0 9 8	0 9 4	0 0 1 2 9	0 0 1 2 9
0 1 0	0 5 0	0 9 8	0 9 6	0 0 1 2 6	0 0 1 2 6
0 1 0	0 5 0	0 9 8	0 9 8	0 0 1 2 4	0 0 1 2 4
0 1 0	0 5 0	0 9 8	1 0 0	0 0 1 2 1	0 0 1 2 1
0 1 0	0 5 0	1 0 0	0 0 6	0 1 9 2 0	0 1 9 1 9
0 1 0	0 5 0	1 0 0	0 1 0	0 1 1 8 9	0 1 1 8 9
0 1 0	0 5 0	1 0 0	0 2 0	0 0 6 0 9	0 0 6 0 9
0 1 0	0 5 0	1 0 0	0 4 0	0 0 3 0 8	0 0 3 0 8
0 1 0	0 5 0	1 0 0	0 6 0	0 0 2 0 6	0 0 2 0 6
0 1 0	0 5 0	1 0 0	0 8 0	0 0 1 5 5	0 0 1 5 5
0 1 0	0 5 0	1 0 0	0 8 4	0 0 1 4 7	0 0 1 4 7
0 1 0	0 5 0	1 0 0	0 8 8	0 0 1 4 1	0 0 1 4 1
0 1 0	0 5 0	1 0 0	0 9 0	0 0 1 3 8	0 0 1 3 8
0 1 0	0 5 0	1 0 0	0 9 2	0 0 1 3 5	0 0 1 3 5
0 1 0	0 5 0	1 0 0	0 9 4	0 0 1 3 2	0 0 1 3 2
0 1 0	0 5 0	1 0 0	0 9 6	0 0 1 2 9	0 0 1 2 9
0 1 0	0 5 0	1 0 0	0 9 8	0 0 1 2 6	0 0 1 2 6
0 1 0	0 5 0	1 0 0	1 0 0	0 0 1 2 4	0 0 1 2 4
0 1 0	0 8 0	0 0 2	0 0 2	0 0 1 2 7	0 0 1 2 7
0 1 0	0 8 0	0 0 2	0 0 4	0 0 0 7 1	0 0 0 7 1
0 1 0	0 8 0	0 0 2	0 0 6	0 0 0 4 9	0 0 0 4 9
0 1 0	0 8 0	0 0 2	0 0 8	0 0 0 3 8	0 0 0 3 8
0 1 0	0 8 0	0 0 2	0 1 0	0 0 0 3 0	0 0 0 3 0
0 1 0	0 8 0	0 0 2	0 1 2	0 0 0 2 5	0 0 0 2 5
0 1 0	0 8 0	0 0 2	0 2 0	0 0 0 1 5	0 0 0 1 5
0 1 0	0 8 0	0 0 2	0 4 0	0 0 0 0 7	0 0 0 0 7
0 1 0	0 8 0	0 0 2	0 6 0	0 0 0 0 5	0 0 0 0 5
0 1 0	0 8 0	0 0 2	0 8 0	0 0 0 0 4	0 0 0 0 4
0 1 0	0 8 0	0 0 2	0 9 0	0 0 0 0 3	0 0 0 0 3
0 1 0	0 8 0	0 0 2	0 9 4	0 0 0 0 3	0 0 0 0 3
0 1 0	0 8 0	0 0 2	0 9 8	0 0 0 0 3	0 0 0 0 3
0 1 0	0 8 0	0 0 2	1 0 0	0 0 0 0 3	0 0 0 0 3

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ*	I_-*
0 1 0	0 8 0	0 1 0	0 0 6	0 0 2 9 4	0 0 2 9 4
0 1 0	0 8 0	0 1 0	0 0 8	0 0 2 2 5	0 0 2 2 5
0 1 0	0 8 0	0 1 0	0 1 0	0 0 1 8 2	0 0 1 8 2
0 1 0	0 8 0	0 1 0	0 1 2	0 0 1 5 3	0 0 1 5 3
0 1 0	0 8 0	0 1 0	0 1 4	0 0 1 3 2	0 0 1 3 2
0 1 0	0 8 0	0 1 0	0 1 6	0 0 1 1 6	0 0 1 1 6
0 1 0	0 8 0	0 1 0	0 1 8	0 0 1 0 3	0 0 1 0 3
0 1 0	0 8 0	0 1 0	0 2 0	0 0 0 9 3	0 0 0 9 3
0 1 0	0 8 0	0 1 0	0 4 0	0 0 0 4 7	0 0 0 4 7
0 1 0	0 8 0	0 1 0	0 6 0	0 0 0 3 1	0 0 0 3 1
0 1 0	0 8 0	0 1 0	0 8 0	0 0 0 2 3	0 0 0 2 3
0 1 0	0 8 0	0 1 0	0 9 0	0 0 0 2 1	0 0 0 2 1
0 1 0	0 8 0	0 1 0	0 9 4	0 0 0 2 0	0 0 0 2 0
0 1 0	0 8 0	0 1 0	0 9 8	0 0 0 1 9	0 0 0 1 9
0 1 0	0 8 0	0 1 0	1 0 0	0 0 0 1 9	0 0 0 1 9
0 1 0	0 8 0	0 2 0	0 0 6	0 0 6 0 4	0 0 6 0 4
0 1 0	0 8 0	0 2 0	0 1 0	0 0 3 7 4	0 0 3 7 4
0 1 0	0 8 0	0 2 0	0 1 4	0 0 2 7 1	0 0 2 7 1
0 1 0	0 8 0	0 2 0	0 1 8	0 0 2 1 2	0 0 2 1 2
0 1 0	0 8 0	0 2 0	0 2 0	0 0 1 9 1	0 0 1 9 1
0 1 0	0 8 0	0 2 0	0 2 4	0 0 1 6 0	0 0 1 6 0
0 1 0	0 8 0	0 2 0	0 2 8	0 0 1 3 7	0 0 1 3 7
0 1 0	0 8 0	0 2 0	0 3 2	0 0 1 2 0	0 0 1 2 1
0 1 0	0 8 0	0 2 0	0 4 0	0 0 0 9 7	0 0 0 9 7
0 1 0	0 8 0	0 2 0	0 6 0	0 0 0 6 4	0 0 0 6 4
0 1 0	0 8 0	0 2 0	0 8 0	0 0 0 4 8	0 0 0 4 8
0 1 0	0 8 0	0 2 0	0 9 0	0 0 0 4 3	0 0 0 4 3
0 1 0	0 8 0	0 2 0	0 9 4	0 0 0 4 1	0 0 0 4 1
0 1 0	0 8 0	0 2 0	0 9 8	0 0 0 3 9	0 0 0 3 9
0 1 0	0 8 0	0 2 0	1 0 0	0 0 0 3 9	0 0 0 3 9
0 1 0	0 8 0	0 4 0	0 0 6	0 1 2 2 3	0 1 2 2 3
0 1 0	0 8 0	0 4 0	0 1 0	0 0 7 5 8	0 0 7 5 8
0 1 0	0 8 0	0 4 0	0 2 0	0 0 3 8 8	0 0 3 8 8
0 1 0	0 8 0	0 4 0	0 2 8	0 0 2 7 9	0 0 2 7 9
0 1 0	0 8 0	0 4 0	0 3 2	0 0 2 4 4	0 0 2 4 4
0 1 0	0 8 0	0 4 0	0 3 6	0 0 2 1 8	0 0 2 1 8
0 1 0	0 8 0	0 4 0	0 4 0	0 0 1 9 6	0 0 1 9 6
0 1 0	0 8 0	0 4 0	0 4 4	0 0 1 7 8	0 0 1 7 8
0 1 0	0 8 0	0 4 0	0 5 2	0 0 1 5 1	0 0 1 5 1
0 1 0	0 8 0	0 4 0	0 6 0	0 0 1 3 1	0 0 1 3 1
0 1 0	0 8 0	0 4 0	0 8 0	0 0 0 9 8	0 0 0 9 8
0 1 0	0 8 0	0 4 0	0 9 0	0 0 0 8 7	0 0 0 8 7
0 1 0	0 8 0	0 4 0	0 9 4	0 0 0 8 4	0 0 0 8 4
0 1 0	0 8 0	0 4 0	0 9 8	0 0 0 8 0	0 0 0 8 0
0 1 0	0 8 0	0 4 0	1 0 0	0 0 0 7 9	0 0 0 7 9

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ^*	I_r^*
0 1 0	0 8 0	0 6 0	0 0 6	0 1 8 4 2	0 1 8 4 2
0 1 0	0 8 0	0 6 0	0 1 0	0 1 1 4 1	0 1 1 4 1
0 1 0	0 8 0	0 6 0	0 2 0	0 0 5 8 5	0 0 5 8 5
0 1 0	0 8 0	0 6 0	0 4 0	0 0 2 9 6	0 0 2 9 6
0 1 0	0 8 0	0 6 0	0 5 2	0 0 2 2 8	0 0 2 2 8
0 1 0	0 8 0	0 6 0	0 5 6	0 0 2 1 2	0 0 2 1 2
0 1 0	0 8 0	0 6 0	0 6 0	0 0 1 9 8	0 0 1 9 8
0 1 0	0 8 0	0 6 0	0 6 4	0 0 1 8 5	0 0 1 8 5
0 1 0	0 8 0	0 6 0	0 6 8	0 0 1 7 5	0 0 1 7 5
0 1 0	0 8 0	0 6 0	0 7 2	0 0 1 6 5	0 0 1 6 5
0 1 0	0 8 0	0 6 0	0 8 0	0 0 1 4 8	0 0 1 4 8
0 1 0	0 8 0	0 6 0	0 9 0	0 0 1 3 2	0 0 1 3 2
0 1 0	0 8 0	0 6 0	0 9 4	0 0 1 2 6	0 0 1 2 6
0 1 0	0 8 0	0 6 0	0 9 8	0 0 1 2 1	0 0 1 2 1
0 1 0	0 8 0	0 6 0	1 0 0	0 0 1 1 9	0 0 1 1 9
0 1 0	0 8 0	0 8 0	0 0 6	0 2 4 6 2	0 2 4 6 1
0 1 0	0 8 0	0 8 0	0 1 0	0 1 5 2 5	0 1 5 2 5
0 1 0	0 8 0	0 8 0	0 2 0	0 0 7 8 1	0 0 7 8 1
0 1 0	0 8 0	0 8 0	0 4 0	0 0 3 9 5	0 0 3 9 5
0 1 0	0 8 0	0 8 0	0 6 0	0 0 2 6 4	0 0 2 6 4
0 1 0	0 8 0	0 8 0	0 6 8	0 0 2 3 3	0 0 2 3 3
0 1 0	0 8 0	0 8 0	0 7 2	0 0 2 2 0	0 0 2 2 0
0 1 0	0 8 0	0 8 0	0 7 6	0 0 2 0 9	0 0 2 0 9
0 1 0	0 8 0	0 8 0	0 8 0	0 0 1 9 8	0 0 1 9 9
0 1 0	0 8 0	0 8 0	0 8 4	0 0 1 8 9	0 0 1 8 9
0 1 0	0 8 0	0 8 0	0 8 8	0 0 1 8 0	0 0 1 8 1
0 1 0	0 8 0	0 8 0	0 9 0	0 0 1 7 6	0 0 1 7 7
0 1 0	0 8 0	0 8 0	0 9 4	0 0 1 6 9	0 0 1 6 9
0 1 0	0 8 0	0 8 0	0 9 8	0 0 1 6 2	0 0 1 6 2
0 1 0	0 8 0	0 8 0	1 0 0	0 0 1 5 9	0 0 1 5 9
0 1 0	0 8 0	0 9 0	0 0 6	0 2 7 7 2	0 2 7 7 1
0 1 0	0 8 0	0 9 0	0 1 0	0 1 7 1 7	0 1 7 1 7
0 1 0	0 8 0	0 9 0	0 2 0	0 0 8 7 9	0 0 8 7 9
0 1 0	0 8 0	0 9 0	0 4 0	0 0 4 4 5	0 0 4 4 5
0 1 0	0 8 0	0 9 0	0 6 0	0 0 2 9 8	0 0 2 9 8
0 1 0	0 8 0	0 9 0	0 8 0	0 0 2 2 3	0 0 2 2 4
0 1 0	0 8 0	0 9 0	0 8 4	0 0 2 1 3	0 0 2 1 3
0 1 0	0 8 0	0 9 0	0 8 8	0 0 2 0 3	0 0 2 0 3
0 1 0	0 8 0	0 9 0	0 9 0	0 0 1 9 9	0 0 1 9 9
0 1 0	0 8 0	0 9 0	0 9 2	0 0 1 9 4	0 0 1 9 4
0 1 0	0 8 0	0 9 0	0 9 4	0 0 1 9 0	0 0 1 9 0
0 1 0	0 8 0	0 9 0	0 9 6	0 0 1 8 6	0 0 1 8 6
0 1 0	0 8 0	0 9 0	0 9 8	0 0 1 8 3	0 0 1 8 3
0 1 0	0 8 0	0 9 0	1 0 0	0 0 1 7 9	0 0 1 7 9

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ*	I_r*
0 1 0	0 8 0	0 9 4	0 0 6	0 2 8 9 5	0 2 8 9 4
0 1 0	0 8 0	0 9 4	0 1 0	0 1 7 9 4	0 1 7 9 4
0 1 0	0 8 0	0 9 4	0 2 0	0 0 9 1 9	0 0 9 1 9
0 1 0	0 8 0	0 9 4	0 4 0	0 0 4 6 5	0 0 4 6 5
0 1 0	0 8 0	0 9 4	0 6 0	0 0 3 1 1	0 0 3 1 1
0 1 0	0 8 0	0 9 4	0 8 0	0 0 2 3 3	0 0 2 3 4
0 1 0	0 8 0	0 9 4	0 8 4	0 0 2 2 2	0 0 2 2 2
0 1 0	0 8 0	0 9 4	0 8 8	0 0 2 1 2	0 0 2 1 2
0 1 0	0 8 0	0 9 4	0 9 0	0 0 2 0 8	0 0 2 0 8
0 1 0	0 8 0	0 9 4	0 9 2	0 0 2 0 3	0 0 2 0 3
0 1 0	0 8 0	0 9 4	0 9 4	0 0 1 9 9	0 0 1 9 9
0 1 0	0 8 0	0 9 4	0 9 6	0 0 1 9 5	0 0 1 9 5
0 1 0	0 8 0	0 9 4	0 9 8	0 0 1 9 1	0 0 1 9 1
0 1 0	0 8 0	0 9 4	1 0 0	0 0 1 8 7	0 0 1 8 7
0 1 0	0 8 0	0 9 8	0 0 6	0 3 0 1 9	0 3 0 1 8
0 1 0	0 8 0	0 9 8	0 1 0	0 1 8 7 1	0 1 8 7 0
0 1 0	0 8 0	0 9 8	0 2 0	0 0 9 5 8	0 0 9 5 8
0 1 0	0 8 0	0 9 8	0 4 0	0 0 4 8 5	0 0 4 8 5
0 1 0	0 8 0	0 9 8	0 6 0	0 0 3 2 4	0 0 3 2 4
0 1 0	0 8 0	0 9 8	0 8 0	0 0 2 4 4	0 0 2 4 4
0 1 0	0 8 0	0 9 8	0 8 4	0 0 2 3 2	0 0 2 3 2
0 1 0	0 8 0	0 9 8	0 8 8	0 0 2 2 1	0 0 2 2 1
0 1 0	0 8 0	0 9 8	0 9 0	0 0 2 1 7	0 0 2 1 7
0 1 0	0 8 0	0 9 8	0 9 2	0 0 2 1 2	0 0 2 1 2
0 1 0	0 8 0	0 9 8	0 9 4	0 0 2 0 7	0 0 2 0 7
0 1 0	0 8 0	0 9 8	0 9 6	0 0 2 0 3	0 0 2 0 3
0 1 0	0 8 0	0 9 8	0 9 8	0 0 1 9 9	0 0 1 9 9
0 1 0	0 8 0	0 9 8	1 0 0	0 0 1 9 5	0 0 1 9 5
0 1 0	0 8 0	1 0 0	0 0 6	0 3 0 8 1	0 3 0 8 0
0 1 0	0 8 0	1 0 0	0 1 0	0 1 9 0 9	0 1 9 0 9
0 1 0	0 8 0	1 0 0	0 2 0	0 0 9 7 8	0 0 9 7 8
0 1 0	0 8 0	1 0 0	0 4 0	0 0 4 9 5	0 0 4 9 5
0 1 0	0 8 0	1 0 0	0 6 0	0 0 3 3 1	0 0 3 3 1
0 1 0	0 8 0	1 0 0	0 8 0	0 0 2 4 9	0 0 2 4 9
0 1 0	0 8 0	1 0 0	0 8 4	0 0 2 3 7	0 0 2 3 7
0 1 0	0 8 0	1 0 0	0 8 8	0 0 2 2 6	0 0 2 2 6
0 1 0	0 8 0	1 0 0	0 9 0	0 0 2 2 1	0 0 2 2 1
0 1 0	0 8 0	1 0 0	0 9 2	0 0 2 1 6	0 0 2 1 6
0 1 0	0 8 0	1 0 0	0 9 4	0 0 2 1 2	0 0 2 1 2
0 1 0	0 8 0	1 0 0	0 9 6	0 0 2 0 7	0 0 2 0 7
0 1 0	0 8 0	1 0 0	0 9 8	0 0 2 0 3	0 0 2 0 3
0 1 0	0 8 0	1 0 0	1 0 0	0 0 1 9 9	0 0 1 9 9

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ^*	I_r^*
0 2 0	0 2 5	0 0 2	0 0 2	0 0 0 5 4	0 0 0 5 4
0 2 0	0 2 5	0 0 2	0 0 4	0 0 0 3 3	0 0 0 3 3
0 2 0	0 2 5	0 0 2	0 0 6	0 0 0 2 4	0 0 0 2 4
0 2 0	0 2 5	0 0 2	0 0 8	0 0 0 1 9	0 0 0 1 8
0 2 0	0 2 5	0 0 2	0 1 0	0 0 0 1 5	0 0 0 1 5
0 2 0	0 2 5	0 0 2	0 1 2	0 0 0 1 3	0 0 0 1 3
0 2 0	0 2 5	0 0 2	0 2 0	0 0 0 0 8	0 0 0 0 8
0 2 0	0 2 5	0 0 2	0 4 0	0 0 0 0 4	0 0 0 0 4
0 2 0	0 2 5	0 0 2	0 6 0	0 0 0 0 2	0 0 0 0 2
0 2 0	0 2 5	0 0 2	0 8 0	0 0 0 0 2	0 0 0 0 2
0 2 0	0 2 5	0 0 2	0 9 0	0 0 0 0 1	0 0 0 0 1
0 2 0	0 2 5	0 0 2	0 9 4	0 0 0 0 1	0 0 0 0 1
0 2 0	0 2 5	0 0 2	0 9 8	0 0 0 0 1	0 0 0 0 1
0 2 0	0 2 5	0 0 2	1 0 0	0 0 0 0 1	0 0 0 0 1
0 2 0	0 2 5	0 1 0	0 0 6	0 0 1 6 2	0 0 1 6 2
0 2 0	0 2 5	0 1 0	0 0 8	0 0 1 2 6	0 0 1 2 6
0 2 0	0 2 5	0 1 0	0 1 0	0 0 1 0 3	0 0 1 0 3
0 2 0	0 2 5	0 1 0	0 1 2	0 0 0 8 7	0 0 0 8 7
0 2 0	0 2 5	0 1 0	0 1 4	0 0 0 7 6	0 0 0 7 6
0 2 0	0 2 5	0 1 0	0 1 6	0 0 0 6 7	0 0 0 6 7
0 2 0	0 2 5	0 1 0	0 1 8	0 0 0 6 0	0 0 0 6 0
0 2 0	0 2 5	0 1 0	0 2 0	0 0 0 5 4	0 0 0 5 4
0 2 0	0 2 5	0 1 0	0 4 0	0 0 0 2 7	0 0 0 2 7
0 2 0	0 2 5	0 1 0	0 6 0	0 0 0 1 8	0 0 0 1 8
0 2 0	0 2 5	0 1 0	0 8 0	0 0 0 1 4	0 0 0 1 4
0 2 0	0 2 5	0 1 0	0 9 0	0 0 0 1 2	0 0 0 1 2
0 2 0	0 2 5	0 1 0	0 9 4	0 0 0 1 2	0 0 0 1 2
0 2 0	0 2 5	0 1 0	0 9 8	0 0 0 1 1	0 0 0 1 1
0 2 0	0 2 5	0 1 0	1 0 0	0 0 0 1 1	0 0 0 1 1
0 2 0	0 2 5	0 2 0	0 0 6	0 0 3 4 0	0 0 3 3 9
0 2 0	0 2 5	0 2 0	0 1 0	0 0 2 1 7	0 0 2 1 7
0 2 0	0 2 5	0 2 0	0 1 4	0 0 1 5 9	0 0 1 5 9
0 2 0	0 2 5	0 2 0	0 1 8	0 0 1 2 6	0 0 1 2 5
0 2 0	0 2 5	0 2 0	0 2 0	0 0 1 1 4	0 0 1 1 3
0 2 0	0 2 5	0 2 0	0 2 4	0 0 0 9 6	0 0 0 9 5
0 2 0	0 2 5	0 2 0	0 2 8	0 0 0 8 2	0 0 0 8 2
0 2 0	0 2 5	0 2 0	0 3 2	0 0 0 7 2	0 0 0 7 2
0 2 0	0 2 5	0 2 0	0 4 0	0 0 0 5 8	0 0 0 5 8
0 2 0	0 2 5	0 2 0	0 6 0	0 0 0 3 9	0 0 0 3 9
0 2 0	0 2 5	0 2 0	0 8 0	0 0 0 2 9	0 0 0 2 9
0 2 0	0 2 5	0 2 0	0 9 0	0 0 0 2 6	0 0 0 2 6
0 2 0	0 2 5	0 2 0	0 9 4	0 0 0 2 5	0 0 0 2 5
0 2 0	0 2 5	0 2 0	0 9 8	0 0 0 2 4	0 0 0 2 4
0 2 0	0 2 5	0 2 0	1 0 0	0 0 0 2 4	0 0 0 2 3

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ^*	I_I^*
0 2 0	0 2 5	0 4 0	0 0 6	0 0 6 9 7	0 0 6 9 6
0 2 0	0 2 5	0 4 0	0 1 0	0 0 4 4 5	0 0 4 4 4
0 2 0	0 2 5	0 4 0	0 2 0	0 0 2 3 4	0 0 2 3 3
0 2 0	0 2 5	0 4 0	0 2 8	0 0 1 6 9	0 0 1 6 9
0 2 0	0 2 5	0 4 0	0 3 2	0 0 1 4 9	0 0 1 4 8
0 2 0	0 2 5	0 4 0	0 3 6	0 0 1 3 3	0 0 1 3 2
0 2 0	0 2 5	0 4 0	0 4 0	0 0 1 2 0	0 0 1 1 9
0 2 0	0 2 5	0 4 0	0 4 4	0 0 1 0 9	0 0 1 0 8
0 2 0	0 2 5	0 4 0	0 5 2	0 0 0 9 2	0 0 0 9 2
0 2 0	0 2 5	0 4 0	0 6 0	0 0 0 8 0	0 0 0 8 0
0 2 0	0 2 5	0 4 0	0 8 0	0 0 0 6 1	0 0 0 6 0
0 2 0	0 2 5	0 4 0	0 9 0	0 0 0 5 4	0 0 0 5 4
0 2 0	0 2 5	0 4 0	0 9 4	0 0 0 5 2	0 0 0 5 1
0 2 0	0 2 5	0 4 0	0 9 8	0 0 0 5 0	0 0 0 4 9
0 2 0	0 2 5	0 4 0	1 0 0	0 0 0 4 9	0 0 0 4 8
0 2 0	0 2 5	0 6 0	0 0 6	0 1 0 5 5	0 1 0 5 2
0 2 0	0 2 5	0 6 0	0 1 0	0 0 6 7 4	0 0 6 7 2
0 2 0	0 2 5	0 6 0	0 2 0	0 0 3 5 4	0 0 3 5 3
0 2 0	0 2 5	0 6 0	0 4 0	0 0 1 8 1	0 0 1 8 0
0 2 0	0 2 5	0 6 0	0 5 2	0 0 1 4 0	0 0 1 3 9
0 2 0	0 2 5	0 6 0	0 5 6	0 0 1 3 0	0 0 1 3 0
0 2 0	0 2 5	0 6 0	0 6 0	0 0 1 2 2	0 0 1 2 1
0 2 0	0 2 5	0 6 0	0 6 4	0 0 1 1 4	0 0 1 1 4
0 2 0	0 2 5	0 6 0	0 6 8	0 0 1 0 8	0 0 1 0 7
0 2 0	0 2 5	0 6 0	0 7 2	0 0 1 0 2	0 0 1 0 1
0 2 0	0 2 5	0 6 0	0 8 0	0 0 0 9 2	0 0 0 9 1
0 2 0	0 2 5	0 6 0	0 9 0	0 0 0 8 2	0 0 0 8 1
0 2 0	0 2 5	0 6 0	0 9 4	0 0 0 7 9	0 0 0 7 8
0 2 0	0 2 5	0 6 0	0 9 8	0 0 0 7 6	0 0 0 7 5
0 2 0	0 2 5	0 6 0	1 0 0	0 0 0 7 5	0 0 0 7 3
0 2 0	0 2 5	0 8 0	0 0 6	0 1 4 1 2	0 1 4 0 9
0 2 0	0 2 5	0 8 0	0 1 0	0 0 9 0 2	0 0 9 0 0
0 2 0	0 2 5	0 8 0	0 2 0	0 0 4 7 4	0 0 4 7 3
0 2 0	0 2 5	0 8 0	0 4 0	0 0 2 4 3	0 0 2 4 2
0 2 0	0 2 5	0 8 0	0 6 0	0 0 1 6 3	0 0 1 6 2
0 2 0	0 2 5	0 8 0	0 6 8	0 0 1 4 4	0 0 1 4 4
0 2 0	0 2 5	0 8 0	0 7 2	0 0 1 3 7	0 0 1 3 6
0 2 0	0 2 5	0 8 0	0 7 6	0 0 1 3 0	0 0 1 2 9
0 2 0	0 2 5	0 8 0	0 8 0	0 0 1 2 3	0 0 1 2 2
0 2 0	0 2 5	0 8 0	0 8 4	0 0 1 1 8	0 0 1 1 7
0 2 0	0 2 5	0 8 0	0 8 8	0 0 1 1 3	0 0 1 1 1
0 2 0	0 2 5	0 8 0	0 9 0	0 0 1 1 0	0 0 1 0 9
0 2 0	0 2 5	0 8 0	0 9 4	0 0 1 0 6	0 0 1 0 4
0 2 0	0 2 5	0 8 0	0 9 8	0 0 1 0 2	0 0 1 0 0
0 2 0	0 2 5	0 8 0	1 0 0	0 0 1 0 0	0 0 0 9 8

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_r^*	I_r^*
0.20	0.25	0.90	0.06	0.01591	0.01587
0.20	0.25	0.90	0.10	0.01017	0.01014
0.20	0.25	0.90	0.20	0.00534	0.00532
0.20	0.25	0.90	0.40	0.00273	0.00272
0.20	0.25	0.90	0.60	0.00184	0.00183
0.20	0.25	0.90	0.80	0.00139	0.00138
0.20	0.25	0.90	0.84	0.00133	0.00131
0.20	0.25	0.90	0.88	0.00127	0.00126
0.20	0.25	0.90	0.90	0.00124	0.00123
0.20	0.25	0.90	0.92	0.00122	0.00120
0.20	0.25	0.90	0.94	0.00119	0.00118
0.20	0.25	0.90	0.96	0.00117	0.00115
0.20	0.25	0.90	0.98	0.00115	0.00113
0.20	0.25	0.90	1.00	0.00113	0.00111
0.20	0.25	0.94	0.06	0.01662	0.01659
0.20	0.25	0.94	0.10	0.01062	0.01060
0.20	0.25	0.94	0.20	0.00558	0.00556
0.20	0.25	0.94	0.40	0.00286	0.00285
0.20	0.25	0.94	0.60	0.00192	0.00191
0.20	0.25	0.94	0.80	0.00145	0.00144
0.20	0.25	0.94	0.84	0.00139	0.00137
0.20	0.25	0.94	0.88	0.00133	0.00131
0.20	0.25	0.94	0.90	0.00130	0.00128
0.20	0.25	0.94	0.92	0.00127	0.00126
0.20	0.25	0.94	0.94	0.00125	0.00123
0.20	0.25	0.94	0.96	0.00122	0.00121
0.20	0.25	0.94	0.98	0.00120	0.00118
0.20	0.25	0.94	1.00	0.00118	0.00116
0.20	0.25	0.98	0.06	0.01734	0.01730
0.20	0.25	0.98	0.10	0.01108	0.01105
0.20	0.25	0.98	0.20	0.00582	0.00580
0.20	0.25	0.98	0.40	0.00298	0.00297
0.20	0.25	0.98	0.60	0.00200	0.00199
0.20	0.25	0.98	0.80	0.00152	0.00150
0.20	0.25	0.98	0.84	0.00145	0.00143
0.20	0.25	0.98	0.88	0.00138	0.00137
0.20	0.25	0.98	0.90	0.00136	0.00134
0.20	0.25	0.98	0.92	0.00133	0.00131
0.20	0.25	0.98	0.94	0.00130	0.00128
0.20	0.25	0.98	0.96	0.00128	0.00126
0.20	0.25	0.98	0.98	0.00125	0.00123
0.20	0.25	0.98	1.00	0.00123	0.00121

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ*	I_r*
0 2 0	0 2 5	1 0 0	0 0 6	0 1 7 6 9	0 1 7 6 6
0 2 0	0 2 5	1 0 0	0 1 0	0 1 1 3 1	0 1 1 2 8
0 2 0	0 2 5	1 0 0	0 2 0	0 0 5 9 4	0 0 5 9 2
0 2 0	0 2 5	1 0 0	0 4 0	0 0 3 0 4	0 0 3 0 3
0 2 0	0 2 5	1 0 0	0 6 0	0 0 2 0 5	0 0 2 0 4
0 2 0	0 2 5	1 0 0	0 8 0	0 0 1 5 5	0 0 1 5 3
0 2 0	0 2 5	1 0 0	0 8 4	0 0 1 4 8	0 0 1 4 6
0 2 0	0 2 5	1 0 0	0 8 8	0 0 1 4 1	0 0 1 4 0
0 2 0	0 2 5	1 0 0	0 9 0	0 0 1 3 8	0 0 1 3 7
0 2 0	0 2 5	1 0 0	0 9 2	0 0 1 3 6	0 0 1 3 4
0 2 0	0 2 5	1 0 0	0 9 4	0 0 1 3 3	0 0 1 3 1
0 2 0	0 2 5	1 0 0	0 9 6	0 0 1 3 0	0 0 1 2 8
0 2 0	0 2 5	1 0 0	0 9 8	0 0 1 2 8	0 0 1 2 6
0 2 0	0 2 5	1 0 0	1 0 0	0 0 1 2 6	0 0 1 2 3
0 2 0	0 5 0	0 0 2	0 0 2	0 0 1 0 9	0 0 1 0 9
0 2 0	0 5 0	0 0 2	0 0 4	0 0 0 6 8	0 0 0 6 7
0 2 0	0 5 0	0 0 2	0 0 6	0 0 0 4 8	0 0 0 4 8
0 2 0	0 5 0	0 0 2	0 0 8	0 0 0 3 8	0 0 0 3 8
0 2 0	0 5 0	0 0 2	0 1 0	0 0 0 3 1	0 0 0 3 1
0 2 0	0 5 0	0 0 2	0 1 2	0 0 0 2 6	0 0 0 2 6
0 2 0	0 5 0	0 0 2	0 2 0	0 0 0 1 6	0 0 0 1 6
0 2 0	0 5 0	0 0 2	0 4 0	0 0 0 0 8	0 0 0 0 8
0 2 0	0 5 0	0 0 2	0 6 0	0 0 0 0 5	0 0 0 0 5
0 2 0	0 5 0	0 0 2	0 8 0	0 0 0 0 4	0 0 0 0 4
0 2 0	0 5 0	0 0 2	0 9 0	0 0 0 0 3	0 0 0 0 3
0 2 0	0 5 0	0 0 2	0 9 4	0 0 0 0 3	0 0 0 0 3
0 2 0	0 5 0	0 0 2	0 9 8	0 0 0 0 3	0 0 0 0 3
0 2 0	0 5 0	0 0 2	1 0 0	0 0 0 0 3	0 0 0 0 3
0 2 0	0 5 0	0 1 0	0 0 6	0 0 3 2 6	0 0 3 2 5
0 2 0	0 5 0	0 1 0	0 0 8	0 0 2 5 4	0 0 2 5 4
0 2 0	0 5 0	0 1 0	0 1 0	0 0 2 0 8	0 0 2 0 8
0 2 0	0 5 0	0 1 0	0 1 2	0 0 1 7 6	0 0 1 7 6
0 2 0	0 5 0	0 1 0	0 1 4	0 0 1 5 3	0 0 1 5 2
0 2 0	0 5 0	0 1 0	0 1 6	0 0 1 3 5	0 0 1 3 4
0 2 0	0 5 0	0 1 0	0 1 8	0 0 1 2 1	0 0 1 2 0
0 2 0	0 5 0	0 1 0	0 2 0	0 0 1 0 9	0 0 1 0 9
0 2 0	0 5 0	0 1 0	0 4 0	0 0 0 5 6	0 0 0 5 5
0 2 0	0 5 0	0 1 0	0 6 0	0 0 0 3 7	0 0 0 3 7
0 2 0	0 5 0	0 1 0	0 8 0	0 0 0 2 8	0 0 0 2 8
0 2 0	0 5 0	0 1 0	0 9 0	0 0 0 2 5	0 0 0 2 5
0 2 0	0 5 0	0 1 0	0 9 4	0 0 0 2 4	0 0 0 2 4
0 2 0	0 5 0	0 1 0	0 9 8	0 0 0 2 3	0 0 0 2 3
0 2 0	0 5 0	0 1 0	1 0 0	0 0 0 2 3	0 0 0 2 2

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ*	I_r*
0 2 0	0 5 0	0 2 0	0 0 6	0 0 6 8 4	0 0 6 8 2
0 2 0	0 5 0	0 2 0	0 1 0	0 0 4 3 7	0 0 4 3 6
0 2 0	0 5 0	0 2 0	0 1 4	0 0 3 2 1	0 0 3 2 0
0 2 0	0 5 0	0 2 0	0 1 8	0 0 2 5 3	0 0 2 5 3
0 2 0	0 5 0	0 2 0	0 2 0	0 0 2 2 9	0 0 2 2 8
0 2 0	0 5 0	0 2 0	0 2 4	0 0 1 9 3	0 0 1 9 2
0 2 0	0 5 0	0 2 0	0 2 8	0 0 1 6 6	0 0 1 6 5
0 2 0	0 5 0	0 2 0	0 3 2	0 0 1 4 6	0 0 1 4 5
0 2 0	0 5 0	0 2 0	0 4 0	0 0 1 1 7	0 0 1 1 7
0 2 0	0 5 0	0 2 0	0 6 0	0 0 0 7 9	0 0 0 7 8
0 2 0	0 5 0	0 2 0	0 8 0	0 0 0 6 0	0 0 0 5 9
0 2 0	0 5 0	0 2 0	0 9 0	0 0 0 5 3	0 0 0 5 3
0 2 0	0 5 0	0 2 0	0 9 4	0 0 0 5 1	0 0 0 5 0
0 2 0	0 5 0	0 2 0	0 9 8	0 0 0 4 9	0 0 0 4 8
0 2 0	0 5 0	0 2 0	1 0 0	0 0 0 4 8	0 0 0 4 7
0 2 0	0 5 0	0 4 0	0 0 6	0 1 4 0 2	0 1 3 9 9
0 2 0	0 5 0	0 4 0	0 1 0	0 0 8 9 6	0 0 8 9 4
0 2 0	0 5 0	0 4 0	0 2 0	0 0 4 7 0	0 0 4 6 9
0 2 0	0 5 0	0 4 0	0 2 8	0 0 3 4 1	0 0 3 3 9
0 2 0	0 5 0	0 4 0	0 3 2	0 0 2 9 9	0 0 2 9 8
0 2 0	0 5 0	0 4 0	0 3 6	0 0 2 6 7	0 0 2 6 5
0 2 0	0 5 0	0 4 0	0 4 0	0 0 2 4 1	0 0 2 4 0
0 2 0	0 5 0	0 4 0	0 4 4	0 0 2 1 9	0 0 2 1 8
0 2 0	0 5 0	0 4 0	0 5 2	0 0 1 8 6	0 0 1 8 5
0 2 0	0 5 0	0 4 0	0 6 0	0 0 1 6 2	0 0 1 6 1
0 2 0	0 5 0	0 4 0	0 8 0	0 0 1 2 2	0 0 1 2 1
0 2 0	0 5 0	0 4 0	0 9 0	0 0 1 1 0	0 0 1 0 8
0 2 0	0 5 0	0 4 0	0 9 4	0 0 1 0 5	0 0 1 0 4
0 2 0	0 5 0	0 4 0	0 9 8	0 0 1 0 1	0 0 1 0 0
0 2 0	0 5 0	0 4 0	1 0 0	0 0 0 9 9	0 0 0 9 8
0 2 0	0 5 0	0 6 0	0 0 6	0 2 1 2 0	0 2 1 1 5
0 2 0	0 5 0	0 6 0	0 1 0	0 1 3 5 5	0 1 3 5 2
0 2 0	0 5 0	0 6 0	0 2 0	0 0 7 1 1	0 0 7 0 9
0 2 0	0 5 0	0 6 0	0 4 0	0 0 3 6 5	0 0 3 6 3
0 2 0	0 5 0	0 6 0	0 5 2	0 0 2 8 2	0 0 2 8 1
0 2 0	0 5 0	0 6 0	0 5 6	0 0 2 6 2	0 0 2 6 1
0 2 0	0 5 0	0 6 0	0 6 0	0 0 2 4 5	0 0 2 4 4
0 2 0	0 5 0	0 6 0	0 6 4	0 0 2 3 0	0 0 2 2 9
0 2 0	0 5 0	0 6 0	0 6 8	0 0 2 1 7	0 0 2 1 6
0 2 0	0 5 0	0 6 0	0 7 2	0 0 2 0 5	0 0 2 0 4
0 2 0	0 5 0	0 6 0	0 8 0	0 0 1 8 5	0 0 1 8 4
0 2 0	0 5 0	0 6 0	0 9 0	0 0 1 6 6	0 0 1 6 4
0 2 0	0 5 0	0 6 0	0 9 4	0 0 1 5 9	0 0 1 5 7
0 2 0	0 5 0	0 6 0	0 9 8	0 0 1 5 3	0 0 1 5 1
0 2 0	0 5 0	0 6 0	1 0 0	0 0 1 5 1	0 0 1 4 8

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ*	$I_\perp$*
0.20	0.50	0.80	0.06	0.02538	0.02832
0.20	0.50	0.80	0.10	0.01814	0.01810
0.20	0.50	0.80	0.20	0.00952	0.00949
0.20	0.50	0.80	0.40	0.00458	0.00496
0.20	0.50	0.80	0.60	0.00328	0.00327
0.20	0.50	0.80	0.68	0.00291	0.00289
0.20	0.50	0.80	0.72	0.00275	0.00273
0.20	0.50	0.80	0.76	0.00261	0.00259
0.20	0.50	0.80	0.80	0.00248	0.00246
0.20	0.50	0.80	0.84	0.00237	0.00235
0.20	0.50	0.80	0.88	0.00227	0.00224
0.20	0.50	0.80	0.90	0.00222	0.00220
0.20	0.50	0.80	0.94	0.00213	0.00210
0.20	0.50	0.80	0.98	0.00205	0.00202
0.20	0.50	0.80	1.00	0.00202	0.00198
0.20	0.50	0.90	0.06	0.03197	0.03190
0.20	0.50	0.90	0.10	0.02043	0.02039
0.20	0.50	0.90	0.20	0.01073	0.01069
0.20	0.50	0.90	0.40	0.00550	0.00548
0.20	0.50	0.90	0.60	0.00370	0.00368
0.20	0.50	0.90	0.80	0.00280	0.00278
0.20	0.50	0.90	0.84	0.00267	0.00265
0.20	0.50	0.90	0.88	0.00256	0.00253
0.20	0.50	0.90	0.90	0.00250	0.00247
0.20	0.50	0.90	0.92	0.00245	0.00242
0.20	0.50	0.90	0.94	0.00241	0.00237
0.20	0.50	0.90	0.96	0.00236	0.00232
0.20	0.50	0.90	0.98	0.00232	0.00228
0.20	0.50	0.90	1.00	0.00227	0.00223
0.20	0.50	0.94	0.06	0.03341	0.03334
0.20	0.50	0.94	0.10	0.02135	0.02130
0.20	0.50	0.94	0.20	0.01121	0.01118
0.20	0.50	0.94	0.40	0.00575	0.00572
0.20	0.50	0.94	0.60	0.00387	0.00385
0.20	0.50	0.94	0.80	0.00293	0.00290
0.20	0.50	0.94	0.84	0.00279	0.00277
0.20	0.50	0.94	0.88	0.00267	0.00264
0.20	0.50	0.94	0.90	0.00262	0.00259
0.20	0.50	0.94	0.92	0.00256	0.00253
0.20	0.50	0.94	0.94	0.00251	0.00248
0.20	0.50	0.94	0.96	0.00247	0.00243
0.20	0.50	0.94	0.98	0.00242	0.00239
0.20	0.50	0.94	1.00	0.00238	0.00233

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ*	I_r*
0 2 0	0 5 0	0 9 8	0 0 6	0 3 4 8 5	0 3 4 7 7
0 2 0	0 5 0	0 9 8	0 1 0	0 2 2 2 7	0 2 2 2 2
0 2 0	0 5 0	0 9 8	0 2 0	0 1 1 6 9	0 1 1 6 6
0 2 0	0 5 0	0 9 8	0 4 0	0 0 6 0 0	0 0 5 9 7
0 2 0	0 5 0	0 9 8	0 6 0	0 0 4 0 3	0 0 4 0 1
0 2 0	0 5 0	0 9 8	0 8 0	0 0 3 0 5	0 0 3 0 3
0 2 0	0 5 0	0 9 8	0 8 4	0 0 2 9 1	0 0 2 8 9
0 2 0	0 5 0	0 9 8	0 8 8	0 0 2 7 9	0 0 2 7 6
0 2 0	0 5 0	0 9 8	0 9 0	0 0 2 7 3	0 0 2 7 0
0 2 0	0 5 0	0 9 8	0 9 2	0 0 2 6 7	0 0 2 6 4
0 2 0	0 5 0	0 9 8	0 9 4	0 0 2 6 2	0 0 2 5 8
0 2 0	0 5 0	0 9 8	0 9 6	0 0 2 5 7	0 0 2 5 3
0 2 0	0 5 0	0 9 8	0 9 8	0 0 2 5 2	0 0 2 4 8
0 2 0	0 5 0	0 9 8	1 0 0	0 0 2 4 8	0 0 2 4 3
0 2 0	0 5 0	1 0 0	0 0 6	0 3 5 5 6	0 3 5 4 9
0 2 0	0 5 0	1 0 0	0 1 0	0 2 2 7 3	0 2 2 6 8
0 2 0	0 5 0	1 0 0	0 2 0	0 1 1 9 3	0 1 1 9 0
0 2 0	0 5 0	1 0 0	0 4 0	0 0 6 1 2	0 0 6 0 9
0 2 0	0 5 0	1 0 0	0 6 0	0 0 4 1 2	0 0 4 1 0
0 2 0	0 5 0	1 0 0	0 8 0	0 0 3 1 1	0 0 3 0 9
0 2 0	0 5 0	1 0 0	0 8 4	0 0 2 9 7	0 0 2 9 4
0 2 0	0 5 0	1 0 0	0 8 8	0 0 2 8 5	0 0 2 8 1
0 2 0	0 5 0	1 0 0	0 9 0	0 0 2 7 9	0 0 2 7 5
0 2 0	0 5 0	1 0 0	0 9 2	0 0 2 7 3	0 0 2 6 9
0 2 0	0 5 0	1 0 0	0 9 4	0 0 2 6 8	0 0 2 6 4
0 2 0	0 5 0	1 0 0	0 9 6	0 0 2 6 2	0 0 2 5 8
0 2 0	0 5 0	1 0 0	0 9 8	0 0 2 5 8	0 0 2 5 3
0 2 0	0 5 0	1 0 0	1 0 0	0 0 2 5 3	0 0 2 4 8
0 2 0	0 8 0	0 0 2	0 0 2	0 0 1 7 6	0 0 1 7 6
0 2 0	0 8 0	0 0 2	0 0 4	0 0 1 0 9	0 0 1 0 9
0 2 0	0 8 0	0 0 2	0 0 6	0 0 0 7 8	0 0 0 7 8
0 2 0	0 8 0	0 0 2	0 0 8	0 0 0 6 1	0 0 0 6 1
0 2 0	0 8 0	0 0 2	0 1 0	0 0 0 5 0	0 0 0 5 0
0 2 0	0 8 0	0 0 2	0 1 2	0 0 0 4 2	0 0 0 4 2
0 2 0	0 8 0	0 0 2	0 2 0	0 0 0 2 6	0 0 0 2 6
0 2 0	0 8 0	0 0 2	0 4 0	0 0 0 1 3	0 0 0 1 3
0 2 0	0 8 0	0 0 2	0 6 0	0 0 0 0 9	0 0 0 0 9
0 2 0	0 8 0	0 0 2	0 8 0	0 0 0 0 6	0 0 0 0 6
0 2 0	0 8 0	0 0 2	0 9 0	0 0 0 0 6	0 0 0 0 6
0 2 0	0 8 0	0 0 2	0 9 4	0 0 0 0 5	0 0 0 0 5
0 2 0	0 8 0	0 0 2	0 9 8	0 0 0 0 5	0 0 0 0 5
0 2 0	0 8 0	0 0 2	1 0 0	0 0 0 0 5	0 0 0 0 5

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ^*	I_r^*
0 2 0	0 8 0	0 1 0	0 0 6	0 0 5 2 5	0 0 5 2 4
0 2 0	0 8 0	0 1 0	0 0 8	0 0 4 1 0	0 0 4 0 9
0 2 0	0 8 0	0 1 0	0 1 0	0 0 3 3 5	0 0 3 3 5
0 2 0	0 8 0	0 1 0	0 1 2	0 0 2 8 4	0 0 2 8 3
0 2 0	0 8 0	0 1 0	0 1 4	0 0 2 4 6	0 0 2 4 6
0 2 0	0 8 0	0 1 0	0 1 6	0 0 2 1 7	0 0 2 1 7
0 2 0	0 8 0	0 1 0	0 1 8	0 0 1 9 4	0 0 1 9 4
0 2 0	0 8 0	0 1 0	0 2 0	0 0 1 7 6	0 0 1 7 5
0 2 0	0 8 0	0 1 0	0 4 0	0 0 0 9 0	0 0 0 9 0
0 2 0	0 8 0	0 1 0	0 6 0	0 0 0 6 0	0 0 0 6 0
0 2 0	0 8 0	0 1 0	0 8 0	0 0 0 4 6	0 0 0 4 5
0 2 0	0 8 0	0 1 0	0 9 0	0 0 0 4 1	0 0 0 4 0
0 2 0	0 8 0	0 1 0	0 9 4	0 0 0 3 9	0 0 0 3 9
0 2 0	0 8 0	0 1 0	0 9 8	0 0 0 3 8	0 0 0 3 7
0 2 0	0 8 0	0 1 0	1 0 0	0 0 0 3 7	0 0 0 3 6
0 2 0	0 8 0	0 2 0	0 0 6	0 1 1 0 1	0 1 0 9 8
0 2 0	0 8 0	0 2 0	0 1 0	0 0 7 0 3	0 0 7 0 2
0 2 0	0 8 0	0 2 0	0 1 4	0 0 5 1 6	0 0 5 1 5
0 2 0	0 8 0	0 2 0	0 1 8	0 0 4 0 8	0 0 4 0 7
0 2 0	0 8 0	0 2 0	0 2 0	0 0 3 6 9	0 0 3 6 8
0 2 0	0 8 0	0 2 0	0 2 4	0 0 3 1 0	0 0 3 0 9
0 2 0	0 8 0	0 2 0	0 2 8	0 0 2 6 7	0 0 2 6 6
0 2 0	0 8 0	0 2 0	0 3 2	0 0 2 3 5	0 0 2 3 4
0 2 0	0 8 0	0 2 0	0 4 0	0 0 1 8 9	0 0 1 8 8
0 2 0	0 8 0	0 2 0	0 6 0	0 0 1 2 7	0 0 1 2 6
0 2 0	0 8 0	0 2 0	0 8 0	0 0 0 9 5	0 0 0 9 5
0 2 0	0 8 0	0 2 0	0 9 0	0 0 0 8 6	0 0 0 8 5
0 2 0	0 8 0	0 2 0	0 9 4	0 0 0 8 3	0 0 0 8 1
0 2 0	0 8 0	0 2 0	0 9 8	0 0 0 7 9	0 0 0 7 8
0 2 0	0 8 0	0 2 0	1 0 0	0 0 0 7 8	0 0 0 7 7
0 2 0	0 8 0	0 4 0	0 0 6	0 2 2 5 6	0 2 2 5 1
0 2 0	0 8 0	0 4 0	0 1 0	0 1 4 4 2	0 1 4 3 8
0 2 0	0 8 0	0 4 0	0 2 0	0 0 7 5 7	0 0 7 5 4
0 2 0	0 8 0	0 4 0	0 2 8	0 0 5 4 8	0 0 5 4 6
0 2 0	0 8 0	0 4 0	0 3 2	0 0 4 8 2	0 0 4 8 0
0 2 0	0 8 0	0 4 0	0 3 6	0 0 4 3 0	0 0 4 2 8
0 2 0	0 8 0	0 4 0	0 4 0	0 0 3 8 8	0 0 3 8 6
0 2 0	0 8 0	0 4 0	0 4 4	0 0 3 5 4	0 0 3 5 2
0 2 0	0 8 0	0 4 0	0 5 2	0 0 3 0 0	0 0 2 9 9
0 2 0	0 8 0	0 4 0	0 6 0	0 0 2 6 1	0 0 2 6 0
0 2 0	0 8 0	0 4 0	0 8 0	0 0 1 9 7	0 0 1 9 6
0 2 0	0 8 0	0 4 0	0 9 0	0 0 1 7 7	0 0 1 7 4
0 2 0	0 8 0	0 4 0	0 9 4	0 0 1 7 0	0 0 1 6 7
0 2 0	0 8 0	0 4 0	0 9 8	0 0 1 6 3	0 0 1 6 0
0 2 0	0 8 0	0 4 0	1 0 0	0 0 1 6 0	0 0 1 5 7

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ*	I_r*
0 2 0	0 8 0	0 6 0	0 0 6	0 3 4 1 2	0 3 4 0 4
0 2 0	0 8 0	0 6 0	0 1 0	0 2 1 8 0	0 2 1 7 5
0 2 0	0 8 0	0 6 0	0 2 0	0 1 1 4 5	0 1 1 4 1
0 2 0	0 8 0	0 6 0	0 4 0	0 0 5 8 7	0 0 5 8 4
0 2 0	0 8 0	0 6 0	0 5 2	0 0 4 5 4	0 0 4 5 2
0 2 0	0 8 0	0 6 0	0 5 6	0 0 4 2 2	0 0 4 2 0
0 2 0	0 8 0	0 6 0	0 6 0	0 0 3 9 5	0 0 3 9 3
0 2 0	0 8 0	0 6 0	0 6 4	0 0 3 7 1	0 0 3 6 9
0 2 0	0 8 0	0 6 0	0 6 8	0 0 3 5 0	0 0 3 4 7
0 2 0	0 8 0	0 6 0	0 7 2	0 0 3 3 1	0 0 3 2 9
0 2 0	0 8 0	0 6 0	0 8 0	0 0 2 9 9	0 0 2 9 6
0 2 0	0 8 0	0 6 0	0 9 0	0 0 2 6 7	0 0 2 6 4
0 2 0	0 8 0	0 6 0	0 9 4	0 0 2 5 7	0 0 2 5 3
0 2 0	0 8 0	0 6 0	0 9 8	0 0 2 4 7	0 0 2 4 3
0 2 0	0 8 0	0 6 0	1 0 0	0 0 2 4 3	0 0 2 3 8
0 2 0	0 8 0	0 8 0	0 0 6	0 4 5 6 8	0 4 5 5 8
0 2 0	0 8 0	0 8 0	0 1 0	0 2 9 1 9	0 2 9 1 2
0 2 0	0 8 0	0 8 0	0 2 0	0 1 5 3 3	0 1 5 2 8
0 2 0	0 8 0	0 8 0	0 4 0	0 0 7 8 6	0 0 7 8 3
0 2 0	0 8 0	0 8 0	0 6 0	0 0 5 2 9	0 0 5 2 6
0 2 0	0 8 0	0 8 0	0 6 8	0 0 4 6 8	0 0 4 6 5
0 2 0	0 8 0	0 8 0	0 7 2	0 0 4 4 3	0 0 4 4 0
0 2 0	0 8 0	0 8 0	0 7 6	0 0 4 2 0	0 0 4 1 7
0 2 0	0 8 0	0 8 0	0 8 0	0 0 4 0 0	0 0 3 9 7
0 2 0	0 8 0	0 8 0	0 8 4	0 0 3 8 2	0 0 3 7 8
0 2 0	0 8 0	0 8 0	0 8 8	0 0 3 6 6	0 0 3 6 2
0 2 0	0 8 0	0 8 0	0 9 0	0 0 3 5 8	0 0 3 5 4
0 2 0	0 8 0	0 8 0	0 9 4	0 0 3 4 4	0 0 3 3 9
0 2 0	0 8 0	0 8 0	0 9 8	0 0 3 3 1	0 0 3 2 5
0 2 0	0 8 0	0 8 0	1 0 0	0 0 3 2 5	0 0 3 1 9
0 2 0	0 8 0	0 9 0	0 0 6	0 5 1 4 6	0 5 1 3 5
0 2 0	0 8 0	0 9 0	0 1 0	0 3 2 8 9	0 3 2 8 1
0 2 0	0 8 0	0 9 0	0 2 0	0 1 7 2 7	0 1 7 2 1
0 2 0	0 8 0	0 9 0	0 4 0	0 0 8 8 6	0 0 8 8 2
0 2 0	0 8 0	0 9 0	0 6 0	0 0 5 9 6	0 0 5 9 3
0 2 0	0 8 0	0 9 0	0 8 0	0 0 4 5 1	0 0 4 4 7
0 2 0	0 8 0	0 9 0	0 8 4	0 0 4 3 0	0 0 4 2 6
0 2 0	0 8 0	0 9 0	0 8 8	0 0 4 1 2	0 0 4 0 7
0 2 0	0 8 0	0 9 0	0 9 0	0 0 4 0 3	0 0 3 9 8
0 2 0	0 8 0	0 9 0	0 9 2	0 0 3 9 5	0 0 3 9 0
0 2 0	0 8 0	0 9 0	0 9 4	0 0 3 8 7	0 0 3 8 2
0 2 0	0 8 0	0 9 0	0 9 6	0 0 3 8 0	0 0 3 7 4
0 2 0	0 8 0	0 9 0	0 9 8	0 0 3 7 3	0 0 3 6 7
0 2 0	0 8 0	0 9 0	1 0 0	0 0 3 6 6	0 0 3 5 9

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ*	I_r*
0 2 0	0 8 0	0 9 4	0 0 6	0 5 3 7 7	0 5 3 6 5
0 2 0	0 8 0	0 9 4	0 1 0	0 3 4 3 6	0 3 4 2 8
0 2 0	0 8 0	0 9 4	0 2 0	0 1 8 0 5	0 1 7 9 9
0 2 0	0 8 0	0 9 4	0 4 0	0 0 9 2 5	0 0 9 2 1
0 2 0	0 8 0	0 9 4	0 6 0	0 0 6 2 3	0 0 6 1 9
0 2 0	0 8 0	0 9 4	0 8 0	0 0 4 7 1	0 0 4 6 7
0 2 0	0 8 0	0 9 4	0 8 4	0 0 4 5 0	0 0 4 4 5
0 2 0	0 8 0	0 9 4	0 8 8	0 0 4 3 0	0 0 4 2 6
0 2 0	0 8 0	0 9 4	0 9 0	0 0 4 2 1	0 0 4 1 6
0 2 0	0 8 0	0 9 4	0 9 2	0 0 4 1 3	0 0 4 0 8
0 2 0	0 8 0	0 9 4	0 9 4	0 0 4 0 5	0 0 3 9 9
0 2 0	0 8 0	0 9 4	0 9 6	0 0 3 9 7	0 0 3 9 1
0 2 0	0 8 0	0 9 4	0 9 8	0 0 3 9 0	0 0 3 8 3
0 2 0	0 8 0	0 9 4	1 0 0	0 0 3 8 3	0 0 3 7 6
0 2 0	0 8 0	0 9 8	0 0 6	0 5 6 0 8	0 5 5 9 6
0 2 0	0 8 0	0 9 8	0 1 0	0 3 5 8 4	0 3 5 7 6
0 2 0	0 8 0	0 9 8	0 2 0	0 1 8 8 2	0 1 8 7 6
0 2 0	0 8 0	0 9 8	0 4 0	0 0 9 6 5	0 0 9 6 1
0 2 0	0 8 0	0 9 8	0 6 0	0 0 6 4 9	0 0 6 4 6
0 2 0	0 8 0	0 9 8	0 8 0	0 0 4 9 1	0 0 4 8 7
0 2 0	0 8 0	0 9 8	0 8 4	0 0 4 6 9	0 0 4 6 5
0 2 0	0 8 0	0 9 8	0 8 8	0 0 4 4 9	0 0 4 4 4
0 2 0	0 8 0	0 9 8	0 9 0	0 0 4 4 0	0 0 4 3 4
0 2 0	0 8 0	0 9 8	0 9 2	0 0 4 3 1	0 0 4 2 5
0 2 0	0 8 0	0 9 8	0 9 4	0 0 4 2 2	0 0 4 1 6
0 2 0	0 8 0	0 9 8	0 9 6	0 0 4 1 4	0 0 4 0 8
0 2 0	0 8 0	0 9 8	0 9 8	0 0 4 0 6	0 0 4 0 0
0 2 0	0 8 0	0 9 8	1 0 0	0 0 3 9 9	0 0 3 9 2
0 2 0	0 8 0	1 0 0	0 0 6	0 5 7 2 4	0 5 7 1 1
0 2 0	0 8 0	1 0 0	0 1 0	0 3 6 5 8	0 3 6 5 0
0 2 0	0 8 0	1 0 0	0 2 0	0 1 9 2 1	0 1 9 1 5
0 2 0	0 8 0	1 0 0	0 4 0	0 0 9 8 5	0 0 9 8 1
0 2 0	0 8 0	1 0 0	0 6 0	0 0 6 6 3	0 0 6 5 9
0 2 0	0 8 0	1 0 0	0 8 0	0 0 5 0 1	0 0 4 9 7
0 2 0	0 8 0	1 0 0	0 8 4	0 0 4 7 9	0 0 4 7 4
0 2 0	0 8 0	1 0 0	0 8 8	0 0 4 5 8	0 0 4 5 3
0 2 0	0 8 0	1 0 0	0 9 0	0 0 4 4 9	0 0 4 4 3
0 2 0	0 8 0	1 0 0	0 9 2	0 0 4 4 0	0 0 4 3 4
0 2 0	0 8 0	1 0 0	0 9 4	0 0 4 3 1	0 0 4 2 5
0 2 0	0 8 0	1 0 0	0 9 6	0 0 4 2 3	0 0 4 1 6
0 2 0	0 8 0	1 0 0	0 9 8	0 0 4 1 5	0 0 4 0 8
0 2 0	0 8 0	1 0 0	1 0 0	0 0 4 0 7	0 0 4 0 0

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ*	I_r*
0 5 0	0 2 5	0 0 2	0 0 2	0 0 0 6 3	0 0 0 6 2
0 5 0	0 2 5	0 0 2	0 0 4	0 0 0 4 8	0 0 0 4 8
0 5 0	0 2 5	0 0 2	0 0 6	0 0 0 3 8	0 0 0 3 7
0 5 0	0 2 5	0 0 2	0 0 8	0 0 0 3 1	0 0 0 3 1
0 5 0	0 2 5	0 0 2	0 1 0	0 0 0 2 6	0 0 0 2 6
0 5 0	0 2 5	0 0 2	0 1 2	0 0 0 2 2	0 0 0 2 2
0 5 0	0 2 5	0 0 2	0 2 0	0 0 0 1 4	0 0 0 1 4
0 5 0	0 2 5	0 0 2	0 4 0	0 0 0 0 7	0 0 0 0 7
0 5 0	0 2 5	0 0 2	0 6 0	0 0 0 0 5	0 0 0 0 5
0 5 0	0 2 5	0 0 2	0 8 0	0 0 0 0 4	0 0 0 0 4
0 5 0	0 2 5	0 0 2	0 9 0	0 0 0 0 3	0 0 0 0 3
0 5 0	0 2 5	0 0 2	0 9 4	0 0 0 0 3	0 0 0 0 3
0 5 0	0 2 5	0 0 2	0 9 8	0 0 0 0 3	0 0 0 0 3
0 5 0	0 2 5	0 0 2	1 0 0	0 0 0 0 3	0 0 0 0 3
0 5 0	0 2 5	0 1 0	0 0 6	0 0 2 9 0	0 0 2 8 9
0 5 0	0 2 5	0 1 0	0 0 8	0 0 2 3 8	0 0 2 3 7
0 5 0	0 2 5	0 1 0	0 1 0	0 0 2 0 1	0 0 2 0 0
0 5 0	0 2 5	0 1 0	0 1 2	0 0 1 7 3	0 0 1 7 3
0 5 0	0 2 5	0 1 0	0 1 4	0 0 1 5 3	0 0 1 5 2
0 5 0	0 2 5	0 1 0	0 1 6	0 0 1 3 6	0 0 1 3 6
0 5 0	0 2 5	0 1 0	0 1 8	0 0 1 2 3	0 0 1 2 3
0 5 0	0 2 5	0 1 0	0 2 0	0 0 1 1 2	0 0 1 1 2
0 5 0	0 2 5	0 1 0	0 4 0	0 0 0 5 9	0 0 0 5 9
0 5 0	0 2 5	0 1 0	0 6 0	0 0 0 4 0	0 0 0 4 0
0 5 0	0 2 5	0 1 0	0 8 0	0 0 0 3 0	0 0 0 3 0
0 5 0	0 2 5	0 1 0	0 9 0	0 0 0 2 7	0 0 0 2 7
0 5 0	0 2 5	0 1 0	0 9 4	0 0 0 2 6	0 0 0 2 6
0 5 0	0 2 5	0 1 0	0 9 8	0 0 0 2 5	0 0 0 2 5
0 5 0	0 2 5	0 1 0	1 0 0	0 0 0 2 4	0 0 0 2 4
0 5 0	0 2 5	0 2 0	0 0 6	0 0 6 4 4	0 0 6 4 1
0 5 0	0 2 5	0 2 0	0 1 0	0 0 4 4 6	0 0 4 4 4
0 5 0	0 2 5	0 2 0	0 1 4	0 0 3 3 9	0 0 3 3 8
0 5 0	0 2 5	0 2 0	0 1 8	0 0 2 7 3	0 0 2 7 3
0 5 0	0 2 5	0 2 0	0 2 0	0 0 2 4 9	0 0 2 4 9
0 5 0	0 2 5	0 2 0	0 2 4	0 0 2 1 2	0 0 2 1 1
0 5 0	0 2 5	0 2 0	0 2 8	0 0 1 8 4	0 0 1 8 4
0 5 0	0 2 5	0 2 0	0 3 2	0 0 1 6 2	0 0 1 6 2
0 5 0	0 2 5	0 2 0	0 4 0	0 0 1 3 2	0 0 1 3 2
0 5 0	0 2 5	0 2 0	0 6 0	0 0 0 8 9	0 0 0 8 9
0 5 0	0 2 5	0 2 0	0 8 0	0 0 0 6 8	0 0 0 6 8
0 5 0	0 2 5	0 2 0	0 9 0	0 0 0 6 0	0 0 0 6 0
0 5 0	0 2 5	0 2 0	0 9 4	0 0 0 5 8	0 0 0 5 8
0 5 0	0 2 5	0 2 0	0 9 8	0 0 0 5 5	0 0 0 5 5
0 5 0	0 2 5	0 2 0	1 0 0	0 0 0 5 4	0 0 0 5 4

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ^*	I_r^*
0.50	0.25	0.40	0.06	0.13655	0.13588
0.50	0.25	0.40	0.10	0.09944	0.09941
0.50	0.25	0.40	0.20	0.05288	0.05277
0.50	0.25	0.40	0.28	0.03900	0.03889
0.50	0.25	0.40	0.32	0.03455	0.03444
0.50	0.25	0.40	0.36	0.03099	0.03089
0.50	0.25	0.40	0.40	0.02820	0.02810
0.50	0.25	0.40	0.44	0.02555	0.02555
0.50	0.25	0.40	0.52	0.02188	0.02188
0.50	0.25	0.40	0.60	0.01906	0.01900
0.50	0.25	0.40	0.80	0.01444	0.01444
0.50	0.25	0.40	0.90	0.01288	0.01288
0.50	0.25	0.40	0.94	0.01233	0.01233
0.50	0.25	0.40	0.98	0.01188	0.01188
0.50	0.25	0.40	1.00	0.01165	0.01165
0.50	0.25	0.60	0.06	0.20886	0.20788
0.50	0.25	0.60	0.10	0.14445	0.14411
0.50	0.25	0.60	0.20	0.08088	0.08077
0.50	0.25	0.60	0.40	0.04288	0.04288
0.50	0.25	0.60	0.52	0.03354	0.03344
0.50	0.25	0.60	0.56	0.03111	0.03111
0.50	0.25	0.60	0.60	0.02911	0.02911
0.50	0.25	0.60	0.64	0.02733	0.02733
0.50	0.25	0.60	0.68	0.02588	0.02588
0.50	0.25	0.60	0.72	0.02444	0.02444
0.50	0.25	0.60	0.80	0.02220	0.02220
0.50	0.25	0.60	0.90	0.01976	0.01976
0.50	0.25	0.60	0.94	0.01888	0.01886
0.50	0.25	0.60	0.98	0.01809	0.01811
0.50	0.25	0.60	1.00	0.01777	0.01777
0.50	0.25	0.80	0.06	0.28139	0.27999
0.50	0.25	0.80	0.10	0.19446	0.19400
0.50	0.25	0.80	0.20	0.10829	0.10887
0.50	0.25	0.80	0.40	0.05787	0.05776
0.50	0.25	0.80	0.60	0.03992	0.03992
0.50	0.25	0.80	0.68	0.03447	0.03447
0.50	0.25	0.80	0.72	0.03329	0.03329
0.50	0.25	0.80	0.76	0.03132	0.03132
0.50	0.25	0.80	0.80	0.02997	0.02997
0.50	0.25	0.80	0.84	0.02833	0.02833
0.50	0.25	0.80	0.88	0.02710	0.02710
0.50	0.25	0.80	0.90	0.02654	0.02655
0.50	0.25	0.80	0.94	0.02543	0.02541
0.50	0.25	0.80	0.98	0.02443	0.02445
0.50	0.25	0.80	1.00	0.02399	0.02399

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ*	I_r*
0 5 0	0 2 5	0 9 0	0 0 6	0 3 1 7 5	0 3 1 6 0
0 5 0	0 2 5	0 9 0	0 1 0	0 2 1 9 7	0 2 1 9 0
0 5 0	0 2 5	0 9 0	0 2 0	0 1 2 2 9	0 1 2 2 8
0 5 0	0 2 5	0 9 0	0 4 0	0 0 6 5 1	0 0 6 5 1
0 5 0	0 2 5	0 9 0	0 6 0	0 0 4 4 2	0 0 4 4 2
0 5 0	0 2 5	0 9 0	0 8 0	0 0 3 3 5	0 0 3 3 5
0 5 0	0 2 5	0 9 0	0 8 4	0 0 3 1 9	0 0 3 2 0
0 5 0	0 2 5	0 9 0	0 8 8	0 0 3 0 5	0 0 3 0 5
0 5 0	0 2 5	0 9 0	0 9 0	0 0 2 9 9	0 0 2 9 9
0 5 0	0 2 5	0 9 0	0 9 2	0 0 2 9 2	0 0 2 9 2
0 5 0	0 2 5	0 9 0	0 9 4	0 0 2 8 6	0 0 2 8 6
0 5 0	0 2 5	0 9 0	0 9 6	0 0 2 8 0	0 0 2 8 1
0 5 0	0 2 5	0 9 0	0 9 8	0 0 2 7 5	0 0 2 7 5
0 5 0	0 2 5	0 9 0	1 0 0	0 0 2 6 9	0 0 2 7 0
0 5 0	0 2 5	0 9 4	0 0 6	0 3 3 2 0	0 3 3 0 4
0 5 0	0 2 5	0 9 4	0 1 0	0 2 2 9 7	0 2 2 9 0
0 5 0	0 2 5	0 9 4	0 2 0	0 1 2 8 5	0 1 2 8 4
0 5 0	0 2 5	0 9 4	0 4 0	0 0 6 8 1	0 0 6 8 1
0 5 0	0 2 5	0 9 4	0 6 0	0 0 4 6 3	0 0 4 6 3
0 5 0	0 2 5	0 9 4	0 8 0	0 0 3 5 0	0 0 3 5 0
0 5 0	0 2 5	0 9 4	0 8 4	0 0 3 3 4	0 0 3 3 4
0 5 0	0 2 5	0 9 4	0 8 8	0 0 3 1 9	0 0 3 1 9
0 5 0	0 2 5	0 9 4	0 9 0	0 0 3 1 2	0 0 3 1 2
0 5 0	0 2 5	0 9 4	0 9 2	0 0 3 0 6	0 0 3 0 6
0 5 0	0 2 5	0 9 4	0 9 4	0 0 2 9 9	0 0 2 9 9
0 5 0	0 2 5	0 9 4	0 9 6	0 0 2 9 3	0 0 2 9 3
0 5 0	0 2 5	0 9 4	0 9 8	0 0 2 8 7	0 0 2 8 7
0 5 0	0 2 5	0 9 4	1 0 0	0 0 2 8 2	0 0 2 8 2
0 5 0	0 2 5	0 9 8	0 0 6	0 3 4 6 5	0 3 4 4 8
0 5 0	0 2 5	0 9 8	0 1 0	0 2 3 9 7	0 2 3 9 0
0 5 0	0 2 5	0 9 8	0 2 0	0 1 3 4 1	0 1 3 4 0
0 5 0	0 2 5	0 9 8	0 4 0	0 0 7 1 0	0 0 7 1 0
0 5 0	0 2 5	0 9 8	0 6 0	0 0 4 8 3	0 0 4 8 3
0 5 0	0 2 5	0 9 8	0 8 0	0 0 3 6 5	0 0 3 6 6
0 5 0	0 2 5	0 9 8	0 8 4	0 0 3 4 8	0 0 3 4 9
0 5 0	0 2 5	0 9 8	0 8 8	0 0 3 3 3	0 0 3 3 3
0 5 0	0 2 5	0 9 8	0 9 0	0 0 3 2 6	0 0 3 2 6
0 5 0	0 2 5	0 9 8	0 9 2	0 0 3 1 9	0 0 3 1 9
0 5 0	0 2 5	0 9 8	0 9 4	0 0 3 1 2	0 0 3 1 3
0 5 0	0 2 5	0 9 8	0 9 6	0 0 3 0 6	0 0 3 0 6
0 5 0	0 2 5	0 9 8	0 9 8	0 0 3 0 0	0 0 3 0 0
0 5 0	0 2 5	0 9 8	1 0 0	0 0 2 9 4	0 0 2 9 4

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ*	I_r*
0.50	0.25	1.00	0.06	0.03558	0.03521
0.50	0.25	1.00	0.10	0.02447	0.02440
0.50	0.25	1.00	0.20	0.01369	0.01368
0.50	0.25	1.00	0.40	0.00725	0.00725
0.50	0.25	1.00	0.60	0.00493	0.00493
0.50	0.25	1.00	0.80	0.00373	0.00373
0.50	0.25	1.00	0.84	0.00356	0.00356
0.50	0.25	1.00	0.88	0.00340	0.00340
0.50	0.25	1.00	0.90	0.00333	0.00333
0.50	0.25	1.00	0.92	0.00326	0.00326
0.50	0.25	1.00	0.94	0.00319	0.00319
0.50	0.25	1.00	0.96	0.00312	0.00313
0.50	0.25	1.00	0.98	0.00306	0.00306
0.50	0.25	1.00	1.00	0.00300	0.00300
0.50	0.50	0.02	0.02	0.01128	0.01126
0.50	0.50	0.02	0.04	0.00997	0.00997
0.50	0.50	0.02	0.06	0.00777	0.00776
0.50	0.50	0.02	0.08	0.00663	0.00662
0.50	0.50	0.02	0.10	0.00553	0.00553
0.50	0.50	0.02	0.12	0.00446	0.00446
0.50	0.50	0.02	0.20	0.00229	0.00229
0.50	0.50	0.02	0.40	0.00115	0.00115
0.50	0.50	0.02	0.60	0.00110	0.00110
0.50	0.50	0.02	0.80	0.00108	0.00108
0.50	0.50	0.02	0.90	0.00107	0.00107
0.50	0.50	0.02	0.94	0.00106	0.00106
0.50	0.50	0.02	0.98	0.00106	0.00106
0.50	0.50	0.02	1.00	0.00106	0.00106
0.50	0.50	0.10	0.06	0.00588	0.00585
0.50	0.50	0.10	0.08	0.00481	0.00480
0.50	0.50	0.10	0.10	0.00407	0.00405
0.50	0.50	0.10	0.12	0.00351	0.00351
0.50	0.50	0.10	0.14	0.00309	0.00309
0.50	0.50	0.10	0.16	0.00276	0.00276
0.50	0.50	0.10	0.18	0.00249	0.00249
0.50	0.50	0.10	0.20	0.00227	0.00227
0.50	0.50	0.10	0.40	0.00120	0.00120
0.50	0.50	0.10	0.60	0.00082	0.00082
0.50	0.50	0.10	0.80	0.00062	0.00062
0.50	0.50	0.10	0.90	0.00055	0.00055
0.50	0.50	0.10	0.94	0.00053	0.00053
0.50	0.50	0.10	0.98	0.00050	0.00051
0.50	0.50	0.10	1.00	0.00049	0.00050

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ^*	I_r^*
0 5 0	0 5 0	0 2 0	0 0 6	0 1 3 0 4	0 1 2 9 8
0 5 0	0 5 0	0 2 0	0 1 0	0 0 9 0 2	0 0 8 9 9
0 5 0	0 5 0	0 2 0	0 1 4	0 0 6 8 7	0 0 6 8 5
0 5 0	0 5 0	0 2 0	0 1 8	0 0 5 5 4	0 0 5 5 3
0 5 0	0 5 0	0 2 0	0 2 0	0 0 5 0 5	0 0 5 0 4
0 5 0	0 5 0	0 2 0	0 2 4	0 0 4 2 9	0 0 4 2 8
0 5 0	0 5 0	0 2 0	0 2 8	0 0 3 7 2	0 0 3 7 2
0 5 0	0 5 0	0 2 0	0 3 2	0 0 3 2 9	0 0 3 2 9
0 5 0	0 5 0	0 2 0	0 4 0	0 0 2 6 7	0 0 2 6 7
0 5 0	0 5 0	0 2 0	0 6 0	0 0 1 8 1	0 0 1 8 1
0 5 0	0 5 0	0 2 0	0 8 0	0 0 1 3 7	0 0 1 3 7
0 5 0	0 5 0	0 2 0	0 9 0	0 0 1 2 2	0 0 1 2 2
0 5 0	0 5 0	0 2 0	0 9 4	0 0 1 1 7	0 0 1 1 7
0 5 0	0 5 0	0 2 0	0 9 8	0 0 1 1 3	0 0 1 1 3
0 5 0	0 5 0	0 2 0	1 0 0	0 0 1 1 0	0 0 1 1 0
0 5 0	0 5 0	0 4 0	0 0 6	0 2 7 6 2	0 2 7 4 8
0 5 0	0 5 0	0 4 0	0 1 0	0 1 9 1 1	0 1 9 0 5
0 5 0	0 5 0	0 4 0	0 2 0	0 1 0 6 9	0 1 0 6 8
0 5 0	0 5 0	0 4 0	0 2 8	0 0 7 8 9	0 0 7 8 8
0 5 0	0 5 0	0 4 0	0 3 2	0 0 6 9 8	0 0 6 9 7
0 5 0	0 5 0	0 4 0	0 3 6	0 0 6 2 5	0 0 6 2 5
0 5 0	0 5 0	0 4 0	0 4 0	0 0 5 6 6	0 0 5 6 6
0 5 0	0 5 0	0 4 0	0 4 4	0 0 5 1 7	0 0 5 1 7
0 5 0	0 5 0	0 4 0	0 5 2	0 0 4 4 1	0 0 4 4 1
0 5 0	0 5 0	0 4 0	0 6 0	0 0 3 8 5	0 0 3 8 5
0 5 0	0 5 0	0 4 0	0 8 0	0 0 2 9 1	0 0 2 9 1
0 5 0	0 5 0	0 4 0	0 9 0	0 0 2 6 0	0 0 2 6 0
0 5 0	0 5 0	0 4 0	0 9 4	0 0 2 4 9	0 0 2 4 9
0 5 0	0 5 0	0 4 0	0 9 8	0 0 2 3 9	0 0 2 3 9
0 5 0	0 5 0	0 4 0	1 0 0	0 0 2 3 4	0 0 2 3 4
0 5 0	0 5 0	0 6 0	0 0 6	0 4 2 2 6	0 4 2 0 5
0 5 0	0 5 0	0 6 0	0 1 0	0 2 9 2 3	0 2 9 1 5
0 5 0	0 5 0	0 6 0	0 2 0	0 1 6 3 6	0 1 6 3 4
0 5 0	0 5 0	0 6 0	0 4 0	0 0 8 6 6	0 0 8 6 6
0 5 0	0 5 0	0 6 0	0 5 2	0 0 6 7 5	0 0 6 7 5
0 5 0	0 5 0	0 6 0	0 5 6	0 0 6 2 9	0 0 6 2 9
0 5 0	0 5 0	0 6 0	0 6 0	0 0 5 8 9	0 0 5 8 9
0 5 0	0 5 0	0 6 0	0 6 4	0 0 5 5 3	0 0 5 5 3
0 5 0	0 5 0	0 6 0	0 6 8	0 0 5 2 2	0 0 5 2 2
0 5 0	0 5 0	0 6 0	0 7 2	0 0 4 9 4	0 0 4 9 4
0 5 0	0 5 0	0 6 0	0 8 0	0 0 4 4 6	0 0 4 4 6
0 5 0	0 5 0	0 6 0	0 9 0	0 0 3 9 7	0 0 3 9 8
0 5 0	0 5 0	0 6 0	0 9 4	0 0 3 8 1	0 0 3 8 1
0 5 0	0 5 0	0 6 0	0 9 8	0 0 3 6 6	0 0 3 6 6
0 5 0	0 5 0	0 6 0	1 0 0	0 0 3 5 9	0 0 3 5 9

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ*	I_r*
0.50	0.50	0.80	0.06	0.5691	0.5664
0.50	0.50	0.80	0.10	0.3937	0.3926
0.50	0.50	0.80	0.20	0.2203	0.2200
0.50	0.50	0.80	0.40	0.1167	0.1167
0.50	0.50	0.80	0.60	0.0793	0.0793
0.50	0.50	0.80	0.68	0.0703	0.0703
0.50	0.50	0.80	0.72	0.0665	0.0665
0.50	0.50	0.80	0.76	0.0631	0.0632
0.50	0.50	0.80	0.80	0.0601	0.0601
0.50	0.50	0.80	0.84	0.0573	0.0573
0.50	0.50	0.80	0.88	0.0547	0.0548
0.50	0.50	0.80	0.90	0.0535	0.0536
0.50	0.50	0.80	0.94	0.0513	0.0514
0.50	0.50	0.80	0.98	0.0493	0.0493
0.50	0.50	0.80	1.00	0.0483	0.0483
0.50	0.50	0.90	0.06	0.6424	0.6393
0.50	0.50	0.90	0.10	0.4445	0.4432
0.50	0.50	0.90	0.20	0.2487	0.2484
0.50	0.50	0.90	0.40	0.1318	0.1317
0.50	0.50	0.90	0.60	0.0895	0.0896
0.50	0.50	0.90	0.80	0.0678	0.0678
0.50	0.50	0.90	0.84	0.0646	0.0647
0.50	0.50	0.90	0.88	0.0618	0.0618
0.50	0.50	0.90	0.90	0.0604	0.0605
0.50	0.50	0.90	0.92	0.0592	0.0592
0.50	0.50	0.90	0.94	0.0579	0.0580
0.50	0.50	0.90	0.96	0.0568	0.0568
0.50	0.50	0.90	0.98	0.0556	0.0557
0.50	0.50	0.90	1.00	0.0545	0.0546
0.50	0.50	0.94	0.06	0.6718	0.6685
0.50	0.50	0.94	0.10	0.4648	0.4634
0.50	0.50	0.94	0.20	0.2601	0.2597
0.50	0.50	0.94	0.40	0.1378	0.1377
0.50	0.50	0.94	0.60	0.0936	0.0937
0.50	0.50	0.94	0.80	0.0709	0.0709
0.50	0.50	0.94	0.84	0.0676	0.0676
0.50	0.50	0.94	0.88	0.0646	0.0647
0.50	0.50	0.94	0.90	0.0632	0.0633
0.50	0.50	0.94	0.92	0.0619	0.0619
0.50	0.50	0.94	0.94	0.0606	0.0606
0.50	0.50	0.94	0.96	0.0593	0.0594
0.50	0.50	0.94	0.98	0.0582	0.0582
0.50	0.50	0.94	1.00	0.0570	0.0571

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ*	I_r*
0 5 0	0 5 0	0 9 8	0 0 6	0 7 0 1 1	0 6 9 7 7
0 5 0	0 5 0	0 9 8	0 1 0	0 4 8 5 0	0 4 8 3 7
0 5 0	0 5 0	0 9 8	0 2 0	0 2 7 1 4	0 2 7 1 1
0 5 0	0 5 0	0 9 8	0 4 0	0 1 4 3 8	0 1 4 3 7
0 5 0	0 5 0	0 9 8	0 6 0	0 0 9 7 7	0 0 9 7 7
0 5 0	0 5 0	0 9 8	0 8 0	0 0 7 4 0	0 0 7 4 0
0 5 0	0 5 0	0 9 8	0 8 4	0 0 7 0 6	0 0 7 0 6
0 5 0	0 5 0	0 9 8	0 8 8	0 0 6 7 4	0 0 6 7 5
0 5 0	0 5 0	0 9 8	0 9 0	0 0 6 6 0	0 0 6 6 0
0 5 0	0 5 0	0 9 8	0 9 2	0 0 6 4 6	0 0 6 4 6
0 5 0	0 5 0	0 9 8	0 9 4	0 0 6 3 2	0 0 6 3 3
0 5 0	0 5 0	0 9 8	0 9 6	0 0 6 1 9	0 0 6 2 0
0 5 0	0 5 0	0 9 8	0 9 8	0 0 6 0 7	0 0 6 0 8
0 5 0	0 5 0	0 9 8	1 0 0	0 0 5 9 5	0 0 5 9 6
0 5 0	0 5 0	1 0 0	0 0 6	0 7 1 5 8	0 7 1 2 3
0 5 0	0 5 0	1 0 0	0 1 0	0 4 9 5 2	0 4 9 3 8
0 5 0	0 5 0	1 0 0	0 2 0	0 2 7 7 1	0 2 7 6 7
0 5 0	0 5 0	1 0 0	0 4 0	0 1 4 6 8	0 1 4 6 8
0 5 0	0 5 0	1 0 0	0 6 0	0 0 9 9 8	0 0 9 9 8
0 5 0	0 5 0	1 0 0	0 8 0	0 0 7 5 5	0 0 7 5 6
0 5 0	0 5 0	1 0 0	0 8 4	0 0 7 2 0	0 0 7 2 1
0 5 0	0 5 0	1 0 0	0 8 8	0 0 6 8 8	0 0 6 8 9
0 5 0	0 5 0	1 0 0	0 9 0	0 0 6 7 3	0 0 6 7 4
0 5 0	0 5 0	1 0 0	0 9 2	0 0 6 5 9	0 0 6 6 0
0 5 0	0 5 0	1 0 0	0 9 4	0 0 6 4 5	0 0 6 4 6
0 5 0	0 5 0	1 0 0	0 9 6	0 0 6 3 2	0 0 6 3 3
0 5 0	0 5 0	1 0 0	0 9 8	0 0 6 2 0	0 0 6 2 0
0 5 0	0 5 0	1 0 0	1 0 0	0 0 6 0 8	0 0 6 0 8
0 5 0	0 8 0	0 0 2	0 0 2	0 0 2 0 8	0 0 2 0 5
0 5 0	0 8 0	0 0 2	0 0 4	0 0 1 5 8	0 0 1 5 7
0 5 0	0 8 0	0 0 2	0 0 6	0 0 1 2 5	0 0 1 2 4
0 5 0	0 8 0	0 0 2	0 0 8	0 0 1 0 2	0 0 1 0 2
0 5 0	0 8 0	0 0 2	0 1 0	0 0 0 8 6	0 0 0 8 6
0 5 0	0 8 0	0 0 2	0 1 2	0 0 0 7 4	0 0 0 7 4
0 5 0	0 8 0	0 0 2	0 2 0	0 0 0 4 8	0 0 0 4 8
0 5 0	0 8 0	0 0 2	0 4 0	0 0 0 2 5	0 0 0 2 5
0 5 0	0 8 0	0 0 2	0 6 0	0 0 0 1 7	0 0 0 1 7
0 5 0	0 8 0	0 0 2	0 8 0	0 0 0 1 3	0 0 0 1 3
0 5 0	0 8 0	0 0 2	0 9 0	0 0 0 1 1	0 0 0 1 1
0 5 0	0 8 0	0 0 2	0 9 4	0 0 0 1 1	0 0 0 1 1
0 5 0	0 8 0	0 0 2	0 9 8	0 0 0 1 0	0 0 0 1 0
0 5 0	0 8 0	0 0 2	1 0 0	0 0 0 1 0	0 0 0 1 0

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_f^*	I_r^*
0 5 0	0 8 0	0 1 0	0 0 6	0 0 9 5 4	0 0 9 4 9
0 5 0	0 8 0	0 1 0	0 0 8	0 0 7 8 1	0 0 7 7 8
0 5 0	0 8 0	0 1 0	0 1 0	0 0 6 6 0	0 0 6 5 8
0 5 0	0 8 0	0 1 0	0 1 2	0 0 5 7 1	0 0 5 6 9
0 5 0	0 8 0	0 1 0	0 1 4	0 0 5 0 2	0 0 5 0 1
0 5 0	0 8 0	0 1 0	0 1 6	0 0 4 4 8	0 0 4 4 8
0 5 0	0 8 0	0 1 0	0 1 8	0 0 4 0 5	0 0 4 0 4
0 5 0	0 8 0	0 1 0	0 2 0	0 0 3 6 9	0 0 3 6 9
0 5 0	0 8 0	0 1 0	0 4 0	0 0 1 9 5	0 0 1 9 5
0 5 0	0 8 0	0 1 0	0 6 0	0 0 1 3 3	0 0 1 3 3
0 5 0	0 8 0	0 1 0	0 8 0	0 0 1 0 0	0 0 1 0 0
0 5 0	0 8 0	0 1 0	0 9 0	0 0 0 8 9	0 0 0 8 9
0 5 0	0 8 0	0 1 0	0 9 4	0 0 0 8 6	0 0 0 8 6
0 5 0	0 8 0	0 1 0	0 9 8	0 0 0 8 2	0 0 0 8 2
0 5 0	0 8 0	0 1 0	1 0 0	0 0 0 8 1	0 0 0 8 1
0 5 0	0 8 0	0 2 0	0 0 6	0 2 1 1 6	0 2 1 0 6
0 5 0	0 8 0	0 2 0	0 1 0	0 1 4 6 4	0 1 4 6 0
0 5 0	0 8 0	0 2 0	0 1 4	0 1 1 1 4	0 1 1 1 2
0 5 0	0 8 0	0 2 0	0 1 8	0 0 8 9 9	0 0 8 9 7
0 5 0	0 8 0	0 2 0	0 2 0	0 0 8 1 9	0 0 8 1 8
0 5 0	0 8 0	0 2 0	0 2 4	0 0 6 9 6	0 0 6 9 5
0 5 0	0 8 0	0 2 0	0 2 8	0 0 6 0 5	0 0 6 0 4
0 5 0	0 8 0	0 2 0	0 3 2	0 0 5 3 4	0 0 5 3 4
0 5 0	0 8 0	0 2 0	0 4 0	0 0 4 3 4	0 0 4 3 4
0 5 0	0 8 0	0 2 0	0 6 0	0 0 2 9 5	0 0 2 9 5
0 5 0	0 8 0	0 2 0	0 8 0	0 0 2 2 3	0 0 2 2 3
0 5 0	0 8 0	0 2 0	0 9 0	0 0 1 9 9	0 0 1 9 9
0 5 0	0 8 0	0 2 0	0 9 4	0 0 1 9 1	0 0 1 9 1
0 5 0	0 8 0	0 2 0	0 9 8	0 0 1 8 3	0 0 1 8 3
0 5 0	0 8 0	0 2 0	1 0 0	0 0 1 7 9	0 0 1 7 9
0 5 0	0 8 0	0 4 0	0 0 6	0 4 4 8 1	0 4 4 5 9
0 5 0	0 8 0	0 4 0	0 1 0	0 3 1 0 0	0 3 0 9 1
0 5 0	0 8 0	0 4 0	0 2 0	0 1 7 3 5	0 1 7 3 2
0 5 0	0 8 0	0 4 0	0 2 8	0 1 2 8 1	0 1 2 8 0
0 5 0	0 8 0	0 4 0	0 3 2	0 1 1 3 2	0 1 1 3 1
0 5 0	0 8 0	0 4 0	0 3 6	0 1 0 1 4	0 1 0 1 4
0 5 0	0 8 0	0 4 0	0 4 0	0 0 9 1 9	0 0 9 1 9
0 5 0	0 8 0	0 4 0	0 4 4	0 0 8 4 0	0 0 8 4 0
0 5 0	0 8 0	0 4 0	0 5 2	0 0 7 1 6	0 0 7 1 6
0 5 0	0 8 0	0 4 0	0 6 0	0 0 6 2 4	0 0 6 2 5
0 5 0	0 8 0	0 4 0	0 8 0	0 0 4 7 3	0 0 4 7 3
0 5 0	0 8 0	0 4 0	0 9 0	0 0 4 2 1	0 0 4 2 2
0 5 0	0 8 0	0 4 0	0 9 4	0 0 4 0 4	0 0 4 0 4
0 5 0	0 8 0	0 4 0	0 9 8	0 0 3 8 8	0 0 3 8 8
0 5 0	0 8 0	0 4 0	1 0 0	0 0 3 8 0	0 0 3 8 1

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ*	I_r*
0 5 0	0 8 0	0 6 0	0 0 6	0 6 8 5 6	0 6 8 2 3
0 5 0	0 8 0	0 6 0	0 1 0	0 4 7 4 4	0 4 7 3 0
0 5 0	0 8 0	0 6 0	0 2 0	0 2 6 5 4	0 2 6 5 1
0 5 0	0 8 0	0 6 0	0 4 0	0 1 4 0 6	0 1 4 0 6
0 5 0	0 8 0	0 6 0	0 5 2	0 1 0 9 6	0 1 0 9 6
0 5 0	0 8 0	0 6 0	0 5 6	0 1 0 2 1	0 1 0 2 1
0 5 0	0 8 0	0 6 0	0 6 0	0 0 9 5 6	0 0 9 5 6
0 5 0	0 8 0	0 6 0	0 6 4	0 0 8 9 8	0 0 8 9 8
0 5 0	0 8 0	0 6 0	0 6 8	0 0 8 4 7	0 0 8 4 7
0 5 0	0 8 0	0 6 0	0 7 2	0 0 8 0 1	0 0 8 0 2
0 5 0	0 8 0	0 6 0	0 8 0	0 0 7 2 4	0 0 7 2 4
0 5 0	0 8 0	0 6 0	0 9 0	0 0 6 4 5	0 0 6 4 6
0 5 0	0 8 0	0 6 0	0 9 4	0 0 6 1 8	0 0 6 1 9
0 5 0	0 8 0	0 6 0	0 9 8	0 0 5 9 4	0 0 5 9 4
0 5 0	0 8 0	0 6 0	1 0 0	0 0 5 8 2	0 0 5 8 3
0 5 0	0 8 0	0 8 0	0 0 6	0 9 2 3 5	0 9 1 9 0
0 5 0	0 8 0	0 8 0	0 1 0	0 6 3 8 9	0 6 3 7 0
0 5 0	0 8 0	0 8 0	0 2 0	0 3 5 7 5	0 3 5 7 0
0 5 0	0 8 0	0 8 0	0 4 0	0 1 8 9 4	0 1 8 9 3
0 5 0	0 8 0	0 8 0	0 6 0	0 1 2 8 7	0 1 2 8 8
0 5 0	0 8 0	0 8 0	0 6 8	0 1 1 4 1	0 1 1 4 1
0 5 0	0 8 0	0 8 0	0 7 2	0 1 0 8 0	0 1 0 8 0
0 5 0	0 8 0	0 8 0	0 7 6	0 1 0 2 4	0 1 0 2 5
0 5 0	0 8 0	0 8 0	0 8 0	0 0 9 7 5	0 0 9 7 5
0 5 0	0 8 0	0 8 0	0 8 4	0 0 9 2 9	0 0 9 3 0
0 5 0	0 8 0	0 8 0	0 8 8	0 0 8 8 8	0 0 8 8 9
0 5 0	0 8 0	0 8 0	0 9 0	0 0 8 6 9	0 0 8 7 0
0 5 0	0 8 0	0 8 0	0 9 4	0 0 8 3 3	0 0 8 3 4
0 5 0	0 8 0	0 8 0	0 9 8	0 0 8 0 0	0 0 8 0 0
0 5 0	0 8 0	0 8 0	1 0 0	0 0 7 8 4	0 0 7 8 5
0 5 0	0 8 0	0 9 0	0 0 6	1 0 4 2 4	1 0 3 7 3
0 5 0	0 8 0	0 9 0	0 1 0	0 7 2 1 2	0 7 1 9 1
0 5 0	0 8 0	0 9 0	0 2 0	0 4 0 3 6	0 4 0 3 0
0 5 0	0 8 0	0 9 0	0 4 0	0 2 1 3 8	0 2 1 3 7
0 5 0	0 8 0	0 9 0	0 6 0	0 1 4 5 3	0 1 4 5 3
0 5 0	0 8 0	0 9 0	0 8 0	0 1 1 0 0	0 1 1 0 1
0 5 0	0 8 0	0 9 0	0 8 4	0 1 0 4 9	0 1 0 5 0
0 5 0	0 8 0	0 9 0	0 8 8	0 1 0 0 3	0 1 0 0 3
0 5 0	0 8 0	0 9 0	0 9 0	0 0 9 8 1	0 0 9 8 2
0 5 0	0 8 0	0 9 0	0 9 2	0 0 9 6 0	0 0 9 6 1
0 5 0	0 8 0	0 9 0	0 9 4	0 0 9 4 0	0 0 9 4 1
0 5 0	0 8 0	0 9 0	0 9 6	0 0 9 2 1	0 0 9 2 2
0 5 0	0 8 0	0 9 0	0 9 8	0 0 9 0 3	0 0 9 0 4
0 5 0	0 8 0	0 9 0	1 0 0	0 0 8 8 5	0 0 8 8 6

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ^*	I_r^*
0 5 0	0 8 0	0 9 4	0 0 6	1 0 9 0 0	1 0 8 4 7
0 5 0	0 8 0	0 9 4	0 1 0	0 7 5 4 1	0 7 5 1 9
0 5 0	0 8 0	0 9 4	0 2 0	0 4 2 2 0	0 4 2 1 4
0 5 0	0 8 0	0 9 4	0 4 0	0 2 2 3 6	0 2 2 3 5
0 5 0	0 8 0	0 9 4	0 6 0	0 1 5 1 9	0 1 5 2 0
0 5 0	0 8 0	0 9 4	0 8 0	0 1 1 5 0	0 1 1 5 1
0 5 0	0 8 0	0 9 4	0 8 4	0 1 0 9 7	0 1 0 9 8
0 5 0	0 8 0	0 9 4	0 8 8	0 1 0 4 9	0 1 0 4 9
0 5 0	0 8 0	0 9 4	0 9 0	0 1 0 2 6	0 1 0 2 7
0 5 0	0 8 0	0 9 4	0 9 2	0 1 0 0 4	0 1 0 0 5
0 5 0	0 8 0	0 9 4	0 9 4	0 0 9 8 3	0 0 9 8 4
0 5 0	0 8 0	0 9 4	0 9 6	0 0 9 6 3	0 0 9 6 4
0 5 0	0 8 0	0 9 4	0 9 8	0 0 9 4 4	0 0 9 4 5
0 5 0	0 8 0	0 9 4	1 0 0	0 0 9 2 6	0 0 9 2 6
0 5 0	0 8 0	0 9 8	0 0 6	1 1 3 7 6	1 1 3 2 1
0 5 0	0 8 0	0 9 8	0 1 0	0 7 8 7 0	0 7 8 4 8
0 5 0	0 8 0	0 9 8	0 2 0	0 4 4 0 4	0 4 3 9 8
0 5 0	0 8 0	0 9 8	0 4 0	0 2 3 3 3	0 2 3 3 3
0 5 0	0 8 0	0 9 8	0 6 0	0 1 5 8 6	0 1 5 8 6
0 5 0	0 8 0	0 9 8	0 8 0	0 1 2 0 1	0 1 2 0 1
0 5 0	0 8 0	0 9 8	0 8 4	0 1 1 4 5	0 1 1 4 6
0 5 0	0 8 0	0 9 8	0 8 8	0 1 0 9 4	0 1 0 9 5
0 5 0	0 8 0	0 9 8	0 9 0	0 1 0 7 1	0 1 0 7 1
0 5 0	0 8 0	0 9 8	0 9 2	0 1 0 4 8	0 1 0 4 9
0 5 0	0 8 0	0 9 8	0 9 4	0 1 0 2 6	0 1 0 2 7
0 5 0	0 8 0	0 9 8	0 9 6	0 1 0 0 5	0 1 0 0 6
0 5 0	0 8 0	0 9 8	0 9 8	0 0 9 8 5	0 0 9 8 6
0 5 0	0 8 0	0 9 8	1 0 0	0 0 9 6 6	0 0 9 6 7
0 5 0	0 8 0	1 0 0	0 0 6	1 1 6 1 4	1 1 5 5 7
0 5 0	0 8 0	1 0 0	0 1 0	0 8 0 3 5	0 8 0 1 2
0 5 0	0 8 0	1 0 0	0 2 0	0 4 4 9 6	0 4 4 9 0
0 5 0	0 8 0	1 0 0	0 4 0	0 2 3 8 2	0 2 3 8 1
0 5 0	0 8 0	1 0 0	0 6 0	0 1 6 1 9	0 1 6 1 9
0 5 0	0 8 0	1 0 0	0 8 0	0 1 2 2 6	0 1 2 2 7
0 5 0	0 8 0	1 0 0	0 8 4	0 1 1 6 9	0 1 1 7 0
0 5 0	0 8 0	1 0 0	0 8 8	0 1 1 1 7	0 1 1 1 8
0 5 0	0 8 0	1 0 0	0 9 0	0 1 0 9 3	0 1 0 9 4
0 5 0	0 8 0	1 0 0	0 9 2	0 1 0 7 0	0 1 0 7 1
0 5 0	0 8 0	1 0 0	0 9 4	0 1 0 4 8	0 1 0 4 8
0 5 0	0 8 0	1 0 0	0 9 6	0 1 0 2 6	0 1 0 2 7
0 5 0	0 8 0	1 0 0	0 9 8	0 1 0 0 6	0 1 0 0 7
0 5 0	0 8 0	1 0 0	1 0 0	0 0 9 8 6	0 0 9 8 7

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ^*	I_r^*
1 0 0	0 2 5	0 0 2	0 0 2	0 0 0 6 4	0 0 0 6 2
1 0 0	0 2 5	0 0 2	0 0 4	0 0 0 5 7	0 0 0 5 6
1 0 0	0 2 5	0 0 2	0 0 6	0 0 0 4 9	0 0 0 4 9
1 0 0	0 2 5	0 0 2	0 0 8	0 0 0 4 3	0 0 0 4 2
1 0 0	0 2 5	0 0 2	0 1 0	0 0 0 3 8	0 0 0 3 7
1 0 0	0 2 5	0 0 2	0 1 2	0 0 0 3 3	0 0 0 3 3
1 0 0	0 2 5	0 0 2	0 2 0	0 0 0 2 3	0 0 0 2 3
1 0 0	0 2 5	0 0 2	0 4 0	0 0 0 1 3	0 0 0 1 3
1 0 0	0 2 5	0 0 2	0 6 0	0 0 0 0 9	0 0 0 0 9
1 0 0	0 2 5	0 0 2	0 8 0	0 0 0 0 6	0 0 0 0 6
1 0 0	0 2 5	0 0 2	0 9 0	0 0 0 0 6	0 0 0 0 6
1 0 0	0 2 5	0 0 2	0 9 4	0 0 0 0 5	0 0 0 0 5
1 0 0	0 2 5	0 0 2	0 9 8	0 0 0 0 5	0 0 0 0 5
1 0 0	0 2 5	0 0 2	1 0 0	0 0 0 0 5	0 0 0 0 5
1 0 0	0 2 5	0 1 0	0 0 6	0 0 3 6 6	0 0 3 6 1
1 0 0	0 2 5	0 1 0	0 0 8	0 0 3 1 8	0 0 3 1 5
1 0 0	0 2 5	0 1 0	0 1 0	0 0 2 8 0	0 0 2 7 8
1 0 0	0 2 5	0 1 0	0 1 2	0 0 2 4 9	0 0 2 4 8
1 0 0	0 2 5	0 1 0	0 1 4	0 0 2 2 4	0 0 2 2 3
1 0 0	0 2 5	0 1 0	0 1 6	0 0 2 0 4	0 0 2 0 3
1 0 0	0 2 5	0 1 0	0 1 8	0 0 1 8 6	0 0 1 8 6
1 0 0	0 2 5	0 1 0	0 2 0	0 0 1 7 2	0 0 1 7 1
1 0 0	0 2 5	0 1 0	0 4 0	0 0 0 9 6	0 0 0 9 5
1 0 0	0 2 5	0 1 0	0 6 0	0 0 0 6 6	0 0 0 6 6
1 0 0	0 2 5	0 1 0	0 8 0	0 0 0 5 0	0 0 0 5 0
1 0 0	0 2 5	0 1 0	0 9 0	0 0 0 4 5	0 0 0 4 5
1 0 0	0 2 5	0 1 0	0 9 4	0 0 0 4 3	0 0 0 4 3
1 0 0	0 2 5	0 1 0	0 9 8	0 0 0 4 1	0 0 0 4 1
1 0 0	0 2 5	0 1 0	1 0 0	0 0 0 4 1	0 0 0 4 1
1 0 0	0 2 5	0 2 0	0 0 6	0 0 8 6 6	0 0 8 5 5
1 0 0	0 2 5	0 2 0	0 1 0	0 0 6 6 4	0 0 6 5 8
1 0 0	0 2 5	0 2 0	0 1 4	0 0 5 3 2	0 0 5 2 9
1 0 0	0 2 5	0 2 0	0 1 8	0 0 4 4 2	0 0 4 4 0
1 0 0	0 2 5	0 2 0	0 2 0	0 0 4 0 7	0 0 4 0 6
1 0 0	0 2 5	0 2 0	0 2 4	0 0 3 5 2	0 0 3 5 1
1 0 0	0 2 5	0 2 0	0 2 8	0 0 3 0 9	0 0 3 0 9
1 0 0	0 2 5	0 2 0	0 3 2	0 0 2 7 6	0 0 2 7 6
1 0 0	0 2 5	0 2 0	0 4 0	0 0 2 2 7	0 0 2 2 7
1 0 0	0 2 5	0 2 0	0 6 0	0 0 1 5 7	0 0 1 5 7
1 0 0	0 2 5	0 2 0	0 8 0	0 0 1 2 0	0 0 1 2 0
1 0 0	0 2 5	0 2 0	0 9 0	0 0 1 0 7	0 0 1 0 7
1 0 0	0 2 5	0 2 0	0 9 4	0 0 1 0 3	0 0 1 0 3
1 0 0	0 2 5	0 2 0	0 9 8	0 0 0 9 9	0 0 0 9 9
1 0 0	0 2 5	0 2 0	1 0 0	0 0 0 9 7	0 0 0 9 7

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_l^*	I_r^*
1.00	0.25	0.40	0.06	0.1923	0.1898
1.00	0.25	0.40	0.10	0.1474	0.1462
1.00	0.25	0.40	0.20	0.0904	0.0901
1.00	0.25	0.40	0.28	0.0687	0.0686
1.00	0.25	0.40	0.32	0.0613	0.0612
1.00	0.25	0.40	0.36	0.0553	0.0553
1.00	0.25	0.40	0.40	0.0504	0.0504
1.00	0.25	0.40	0.44	0.0463	0.0463
1.00	0.25	0.40	0.52	0.0398	0.0398
1.00	0.25	0.40	0.60	0.0349	0.0349
1.00	0.25	0.40	0.80	0.0266	0.0267
1.00	0.25	0.40	0.90	0.0238	0.0239
1.00	0.25	0.40	0.94	0.0228	0.0229
1.00	0.25	0.40	0.98	0.0219	0.0220
1.00	0.25	0.40	1.00	0.0215	0.0216
1.00	0.25	0.60	0.06	0.2996	0.2957
1.00	0.25	0.60	0.10	0.2296	0.2278
1.00	0.25	0.60	0.20	0.1409	0.1404
1.00	0.25	0.60	0.40	0.0786	0.0785
1.00	0.25	0.60	0.52	0.0620	0.0620
1.00	0.25	0.60	0.56	0.0579	0.0579
1.00	0.25	0.60	0.60	0.0543	0.0544
1.00	0.25	0.60	0.64	0.0512	0.0512
1.00	0.25	0.60	0.68	0.0483	0.0484
1.00	0.25	0.60	0.72	0.0458	0.0459
1.00	0.25	0.60	0.80	0.0415	0.0416
1.00	0.25	0.60	0.90	0.0371	0.0372
1.00	0.25	0.60	0.94	0.0356	0.0357
1.00	0.25	0.60	0.98	0.0342	0.0343
1.00	0.25	0.60	1.00	0.0335	0.0336
1.00	0.25	0.80	0.06	0.4073	0.4021
1.00	0.25	0.80	0.10	0.3121	0.3097
1.00	0.25	0.80	0.20	0.1916	0.1909
1.00	0.25	0.80	0.40	0.1068	0.1068
1.00	0.25	0.80	0.60	0.0739	0.0739
1.00	0.25	0.80	0.68	0.0657	0.0658
1.00	0.25	0.80	0.72	0.0623	0.0624
1.00	0.25	0.80	0.76	0.0592	0.0593
1.00	0.25	0.80	0.80	0.0564	0.0565
1.00	0.25	0.80	0.84	0.0539	0.0540
1.00	0.25	0.80	0.88	0.0515	0.0517
1.00	0.25	0.80	0.90	0.0504	0.0506
1.00	0.25	0.80	0.94	0.0484	0.0485
1.00	0.25	0.80	0.98	0.0465	0.0466
1.00	0.25	0.80	1.00	0.0456	0.0457

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ρ^*	I_r^*
1.00	0.25	0.90	0.06	0.4613	0.4553
1.00	0.25	0.90	0.10	0.3535	0.3507
1.00	0.25	0.90	0.20	0.2170	0.2162
1.00	0.25	0.90	0.40	0.1210	0.1209
1.00	0.25	0.90	0.60	0.0837	0.0837
1.00	0.25	0.90	0.80	0.0639	0.0640
1.00	0.25	0.90	0.84	0.0610	0.0611
1.00	0.25	0.90	0.88	0.0584	0.0585
1.00	0.25	0.90	0.90	0.0571	0.0573
1.00	0.25	0.90	0.92	0.0559	0.0561
1.00	0.25	0.90	0.94	0.0548	0.0550
1.00	0.25	0.90	0.96	0.0537	0.0539
1.00	0.25	0.90	0.98	0.0527	0.0528
1.00	0.25	0.90	1.00	0.0517	0.0518
1.00	0.25	0.94	0.06	0.4829	0.4766
1.00	0.25	0.94	0.10	0.3700	0.3671
1.00	0.25	0.94	0.20	0.2271	0.2263
1.00	0.25	0.94	0.40	0.1266	0.1266
1.00	0.25	0.94	0.60	0.0876	0.0877
1.00	0.25	0.94	0.80	0.0669	0.0670
1.00	0.25	0.94	0.84	0.0639	0.0640
1.00	0.25	0.94	0.88	0.0611	0.0612
1.00	0.25	0.94	0.90	0.0598	0.0600
1.00	0.25	0.94	0.92	0.0586	0.0587
1.00	0.25	0.94	0.94	0.0574	0.0575
1.00	0.25	0.94	0.96	0.0562	0.0564
1.00	0.25	0.94	0.98	0.0551	0.0553
1.00	0.25	0.94	1.00	0.0541	0.0542
1.00	0.25	0.98	0.06	0.5045	0.4980
1.00	0.25	0.98	0.10	0.3866	0.3835
1.00	0.25	0.98	0.20	0.2373	0.2364
1.00	0.25	0.98	0.40	0.1323	0.1322
1.00	0.25	0.98	0.60	0.0915	0.0916
1.00	0.25	0.98	0.80	0.0699	0.0700
1.00	0.25	0.98	0.84	0.0667	0.0669
1.00	0.25	0.98	0.88	0.0638	0.0640
1.00	0.25	0.98	0.90	0.0625	0.0626
1.00	0.25	0.98	0.92	0.0612	0.0613
1.00	0.25	0.98	0.94	0.0599	0.0601
1.00	0.25	0.98	0.96	0.0587	0.0589
1.00	0.25	0.98	0.98	0.0576	0.0578
1.00	0.25	0.98	1.00	0.0565	0.0567

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ^*	I_r^*
1.00	0.25	1.00	0.06	0.05153	0.05086
1.00	0.25	1.00	0.10	0.03948	0.03917
1.00	0.25	1.00	0.20	0.02423	0.02415
1.00	0.25	1.00	0.40	0.01351	0.01351
1.00	0.25	1.00	0.60	0.00935	0.00936
1.00	0.25	1.00	0.80	0.00714	0.00715
1.00	0.25	1.00	0.84	0.00682	0.00683
1.00	0.25	1.00	0.88	0.00652	0.00654
1.00	0.25	1.00	0.90	0.00638	0.00640
1.00	0.25	1.00	0.92	0.00625	0.00627
1.00	0.25	1.00	0.94	0.00612	0.00614
1.00	0.25	1.00	0.96	0.00600	0.00602
1.00	0.25	1.00	0.98	0.00588	0.00590
1.00	0.25	1.00	1.00	0.00577	0.00579
1.00	0.50	0.02	0.02	0.00131	0.00127
1.00	0.50	0.02	0.04	0.00117	0.00114
1.00	0.50	0.02	0.06	0.00101	0.00100
1.00	0.50	0.02	0.08	0.00088	0.00087
1.00	0.50	0.02	0.10	0.00077	0.00077
1.00	0.50	0.02	0.12	0.00069	0.00068
1.00	0.50	0.02	0.20	0.00047	0.00047
1.00	0.50	0.02	0.40	0.00026	0.00026
1.00	0.50	0.02	0.60	0.00018	0.00018
1.00	0.50	0.02	0.80	0.00014	0.00014
1.00	0.50	0.02	0.90	0.00012	0.00012
1.00	0.50	0.02	0.94	0.00012	0.00012
1.00	0.50	0.02	0.98	0.00011	0.00011
1.00	0.50	0.02	1.00	0.00011	0.00011
1.00	0.50	0.10	0.06	0.00746	0.00738
1.00	0.50	0.10	0.08	0.00651	0.00644
1.00	0.50	0.10	0.10	0.00573	0.00568
1.00	0.50	0.10	0.12	0.00510	0.00507
1.00	0.50	0.10	0.14	0.00459	0.00456
1.00	0.50	0.10	0.16	0.00417	0.00415
1.00	0.50	0.10	0.18	0.00381	0.00380
1.00	0.50	0.10	0.20	0.00351	0.00350
1.00	0.50	0.10	0.40	0.00196	0.00196
1.00	0.50	0.10	0.60	0.00135	0.00135
1.00	0.50	0.10	0.80	0.00103	0.00103
1.00	0.50	0.10	0.90	0.00092	0.00092
1.00	0.50	0.10	0.94	0.00089	0.00086
1.00	0.50	0.10	0.98	0.00085	0.00085
1.00	0.50	0.10	1.00	0.00083	0.00084

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ*	I_-*
1.00	0.50	0.20	0.06	0.1771	0.1748
1.00	0.50	0.20	0.10	0.1357	0.1346
1.00	0.50	0.20	0.14	0.1087	0.1081
1.00	0.50	0.20	0.18	0.0904	0.0900
1.00	0.50	0.20	0.20	0.0833	0.0830
1.00	0.50	0.20	0.24	0.0719	0.0718
1.00	0.50	0.20	0.28	0.0633	0.0632
1.00	0.50	0.20	0.32	0.0565	0.0564
1.00	0.50	0.20	0.40	0.0464	0.0464
1.00	0.50	0.20	0.60	0.0321	0.0321
1.00	0.50	0.20	0.80	0.0245	0.0246
1.00	0.50	0.20	0.90	0.0219	0.0220
1.00	0.50	0.20	0.94	0.0210	0.0211
1.00	0.50	0.20	0.98	0.0202	0.0203
1.00	0.50	0.20	1.00	0.0198	0.0199
1.00	0.50	0.40	0.06	0.3931	0.3881
1.00	0.50	0.40	0.10	0.3012	0.2989
1.00	0.50	0.40	0.20	0.1849	0.1843
1.00	0.50	0.40	0.28	0.1405	0.1402
1.00	0.50	0.40	0.32	0.1254	0.1252
1.00	0.50	0.40	0.36	0.1132	0.1131
1.00	0.50	0.40	0.40	0.1031	0.1030
1.00	0.50	0.40	0.44	0.0947	0.0947
1.00	0.50	0.40	0.52	0.0814	0.0814
1.00	0.50	0.40	0.60	0.0713	0.0714
1.00	0.50	0.40	0.80	0.0544	0.0546
1.00	0.50	0.40	0.90	0.0487	0.0488
1.00	0.50	0.40	0.94	0.0467	0.0468
1.00	0.50	0.40	0.98	0.0449	0.0450
1.00	0.50	0.40	1.00	0.0440	0.0441
1.00	0.50	0.60	0.06	0.6124	0.6045
1.00	0.50	0.60	0.10	0.4693	0.4656
1.00	0.50	0.60	0.20	0.2880	0.2870
1.00	0.50	0.60	0.40	0.1606	0.1605
1.00	0.50	0.60	0.52	0.1268	0.1268
1.00	0.50	0.60	0.56	0.1184	0.1185
1.00	0.50	0.60	0.60	0.1111	0.1112
1.00	0.50	0.60	0.64	0.1046	0.1047
1.00	0.50	0.60	0.68	0.0989	0.0990
1.00	0.50	0.60	0.72	0.0937	0.0939
1.00	0.50	0.60	0.80	0.0848	0.0850
1.00	0.50	0.60	0.90	0.0759	0.0760
1.00	0.50	0.60	0.94	0.0728	0.0730
1.00	0.50	0.60	0.98	0.0699	0.0701
1.00	0.50	0.60	1.00	0.0686	0.0688

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ^*	I_r^*
1.00	0.50	0.80	0.06	0.8326	0.8219
1.00	0.50	0.80	0.10	0.6380	0.6330
1.00	0.50	0.80	0.20	0.3916	0.3903
1.00	0.50	0.80	0.40	0.2184	0.2183
1.00	0.50	0.80	0.60	0.1511	0.1512
1.00	0.50	0.80	0.68	0.1344	0.1346
1.00	0.50	0.80	0.72	0.1274	0.1276
1.00	0.50	0.80	0.76	0.1211	0.1213
1.00	0.50	0.80	0.80	0.1154	0.1156
1.00	0.50	0.80	0.84	0.1102	0.1104
1.00	0.50	0.80	0.88	0.1054	0.1056
1.00	0.50	0.80	0.90	0.1032	0.1034
1.00	0.50	0.80	0.94	0.0990	0.0992
1.00	0.50	0.80	0.98	0.0951	0.0954
1.00	0.50	0.80	1.00	0.0933	0.0935
1.00	0.50	0.90	0.06	0.9429	0.9307
1.00	0.50	0.90	0.10	0.7225	0.7168
1.00	0.50	0.90	0.20	0.4435	0.4420
1.00	0.50	0.90	0.40	0.2473	0.2472
1.00	0.50	0.90	0.60	0.1711	0.1712
1.00	0.50	0.90	0.80	0.1307	0.1309
1.00	0.50	0.90	0.84	0.1247	0.1250
1.00	0.50	0.90	0.88	0.1193	0.1196
1.00	0.50	0.90	0.90	0.1168	0.1171
1.00	0.50	0.90	0.92	0.1144	0.1147
1.00	0.50	0.90	0.94	0.1121	0.1124
1.00	0.50	0.90	0.96	0.1098	0.1101
1.00	0.50	0.90	0.98	0.1077	0.1080
1.00	0.50	0.90	1.00	0.1056	0.1059
1.00	0.50	0.94	0.06	0.9870	0.9743
1.00	0.50	0.94	0.10	0.7563	0.7504
1.00	0.50	0.94	0.20	0.4643	0.4626
1.00	0.50	0.94	0.40	0.2589	0.2588
1.00	0.50	0.94	0.60	0.1791	0.1792
1.00	0.50	0.94	0.80	0.1368	0.1370
1.00	0.50	0.94	0.84	0.1306	0.1309
1.00	0.50	0.94	0.88	0.1249	0.1252
1.00	0.50	0.94	0.90	0.1223	0.1226
1.00	0.50	0.94	0.92	0.1198	0.1201
1.00	0.50	0.94	0.94	0.1173	0.1176
1.00	0.50	0.94	0.96	0.1150	0.1153
1.00	0.50	0.94	0.98	0.1127	0.1131
1.00	0.50	0.94	1.00	0.1106	0.1109

TABLE 5 Intensities (Continued)

τ	λ	μ_o	μ	I_ℓ*	I_r*
1 0 0	0 5 0	0 9 8	0 0 6	1 0 3 1 2	1 0 1 7 9
1 0 0	0 5 0	0 9 8	0 1 0	0 7 9 0 2	0 7 8 3 9
1 0 0	0 5 0	0 9 8	0 2 0	0 4 8 5 0	0 4 8 3 3
1 0 0	0 5 0	0 9 8	0 4 0	0 2 7 0 5	0 2 7 0 3
1 0 0	0 5 0	0 9 8	0 6 0	0 1 8 7 1	0 1 8 7 3
1 0 0	0 5 0	0 9 8	0 8 0	0 1 4 2 9	0 1 4 3 2
1 0 0	0 5 0	0 9 8	0 8 4	0 1 3 6 4	0 1 3 6 7
1 0 0	0 5 0	0 9 8	0 8 8	0 1 3 0 5	0 1 3 0 8
1 0 0	0 5 0	0 9 8	0 9 0	0 1 2 7 8	0 1 2 8 1
1 0 0	0 5 0	0 9 8	0 9 2	0 1 2 5 1	0 1 2 5 4
1 0 0	0 5 0	0 9 8	0 9 4	0 1 2 2 6	0 1 2 2 9
1 0 0	0 5 0	0 9 8	0 9 6	0 1 2 0 1	0 1 2 0 5
1 0 0	0 5 0	0 9 8	0 9 8	0 1 1 7 8	0 1 1 8 1
1 0 0	0 5 0	0 9 8	1 0 0	0 1 1 5 5	0 1 1 5 9
1 0 0	0 5 0	1 0 0	0 0 6	1 0 5 3 2	1 0 3 9 7
1 0 0	0 5 0	1 0 0	0 1 0	0 8 0 7 1	0 8 0 0 7
1 0 0	0 5 0	1 0 0	0 2 0	0 4 9 5 4	0 4 9 3 7
1 0 0	0 5 0	1 0 0	0 4 0	0 2 7 6 3	0 2 7 6 1
1 0 0	0 5 0	1 0 0	0 6 0	0 1 9 1 1	0 1 9 1 3
1 0 0	0 5 0	1 0 0	0 8 0	0 1 4 5 9	0 1 4 6 2
1 0 0	0 5 0	1 0 0	0 8 4	0 1 3 9 3	0 1 3 9 7
1 0 0	0 5 0	1 0 0	0 8 8	0 1 3 3 3	0 1 3 3 6
1 0 0	0 5 0	1 0 0	0 9 0	0 1 3 0 5	0 1 3 0 8
1 0 0	0 5 0	1 0 0	0 9 2	0 1 2 7 8	0 1 2 8 1
1 0 0	0 5 0	1 0 0	0 9 4	0 1 2 5 2	0 1 2 5 5
1 0 0	0 5 0	1 0 0	0 9 6	0 1 2 2 7	0 1 2 3 0
1 0 0	0 5 0	1 0 0	0 9 8	0 1 2 0 3	0 1 2 0 6
1 0 0	0 5 0	1 0 0	1 0 0	0 1 1 8 0	0 1 1 8 3
1 0 0	0 8 0	0 0 2	0 0 2	0 0 2 1 6	0 0 2 0 9
1 0 0	0 8 0	0 0 2	0 0 4	0 0 1 9 2	0 0 1 8 8
1 0 0	0 8 0	0 0 2	0 0 6	0 0 1 6 6	0 0 1 6 4
1 0 0	0 8 0	0 0 2	0 0 8	0 0 1 4 5	0 0 1 4 3
1 0 0	0 8 0	0 0 2	0 1 0	0 0 1 2 7	0 0 1 2 6
1 0 0	0 8 0	0 0 2	0 1 2	0 0 1 1 3	0 0 1 1 3
1 0 0	0 8 0	0 0 2	0 2 0	0 0 0 7 8	0 0 0 7 8
1 0 0	0 8 0	0 0 2	0 4 0	0 0 0 4 3	0 0 0 4 3
1 0 0	0 8 0	0 0 2	0 6 0	0 0 0 3 0	0 0 0 3 0
1 0 0	0 8 0	0 0 2	0 8 0	0 0 0 2 3	0 0 0 2 3
1 0 0	0 8 0	0 0 2	0 9 0	0 0 0 2 0	0 0 0 2 0
1 0 0	0 8 0	0 0 2	0 9 4	0 0 0 1 9	0 0 0 1 9
1 0 0	0 8 0	0 0 2	0 9 8	0 0 0 1 9	0 0 0 1 9
1 0 0	0 8 0	0 0 2	1 0 0	0 0 0 1 8	0 0 0 1 8

TABI 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ*	I_r*
1 0 0	0 8 0	0 1 0	0 0 6	0 1 2 2 9	0 1 2 1 3
1 0 0	0 8 0	0 1 0	0 0 8	0 1 0 7 0	0 1 0 5 9
1 0 0	0 8 0	0 1 0	0 1 0	0 0 9 4 2	0 0 9 3 4
1 0 0	0 8 0	0 1 0	0 1 2	0 0 8 3 8	0 0 8 3 3
1 0 0	0 8 0	0 1 0	0 1 4	0 0 7 5 4	0 0 7 5 0
1 0 0	0 8 0	0 1 0	0 1 6	0 0 6 8 5	0 0 6 8 2
1 0 0	0 8 0	0 1 0	0 1 8	0 0 6 2 7	0 0 6 2 5
1 0 0	0 8 0	0 1 0	0 2 0	0 0 5 7 8	0 0 5 7 6
1 0 0	0 8 0	0 1 0	0 4 0	0 0 3 2 2	0 0 3 2 2
1 0 0	0 8 0	0 1 0	0 6 0	0 0 2 2 3	0 0 2 2 3
1 0 0	0 8 0	0 1 0	0 8 0	0 0 1 7 0	0 0 1 7 0
1 0 0	0 8 0	0 1 0	0 9 0	0 0 1 5 2	0 0 1 5 2
1 0 0	0 8 0	0 1 0	0 9 4	0 0 1 4 6	0 0 1 4 6
1 0 0	0 8 0	0 1 0	0 9 8	0 0 1 4 0	0 0 1 4 0
1 0 0	0 8 0	0 1 0	1 0 0	0 0 1 3 7	0 0 1 3 8
1 0 0	0 8 0	0 2 0	0 0 6	0 2 9 1 1	0 2 8 7 3
1 0 0	0 8 0	0 2 0	0 1 0	0 2 2 3 1	0 2 2 1 3
1 0 0	0 8 0	0 2 0	0 1 4	0 1 7 8 7	0 1 7 7 7
1 0 0	0 8 0	0 2 0	0 1 8	0 1 4 8 5	0 1 4 8 0
1 0 0	0 8 0	0 2 0	0 2 0	0 1 3 6 9	0 1 3 6 4
1 0 0	0 8 0	0 2 0	0 2 4	0 1 1 8 3	0 1 1 7 9
1 0 0	0 8 0	0 2 0	0 2 8	0 1 0 4 0	0 1 0 3 8
1 0 0	0 8 0	0 2 0	0 3 2	0 0 9 2 8	0 0 9 2 7
1 0 0	0 8 0	0 2 0	0 4 0	0 0 7 6 3	0 0 7 6 3
1 0 0	0 8 0	0 2 0	0 6 0	0 0 5 2 8	0 0 5 2 8
1 0 0	0 8 0	0 2 0	0 8 0	0 0 4 0 3	0 0 4 0 4
1 0 0	0 8 0	0 2 0	0 9 0	0 0 3 6 0	0 0 3 6 1
1 0 0	0 8 0	0 2 0	0 9 4	0 0 3 4 6	0 0 3 4 7
1 0 0	0 8 0	0 2 0	0 9 8	0 0 3 3 2	0 0 3 3 3
1 0 0	0 8 0	0 2 0	1 0 0	0 0 3 2 6	0 0 3 2 7
1 0 0	0 8 0	0 4 0	0 0 6	0 6 4 6 1	0 6 3 7 8
1 0 0	0 8 0	0 4 0	0 1 0	0 4 9 5 1	0 4 9 1 2
1 0 0	0 8 0	0 4 0	0 2 0	0 3 0 3 9	0 3 0 2 8
1 0 0	0 8 0	0 4 0	0 2 8	0 2 3 0 9	0 2 3 0 5
1 0 0	0 8 0	0 4 0	0 3 2	0 2 0 6 1	0 2 0 5 8
1 0 0	0 8 0	0 4 0	0 3 6	0 1 8 6 0	0 1 8 5 8
1 0 0	0 8 0	0 4 0	0 4 0	0 1 6 9 5	0 1 6 9 4
1 0 0	0 8 0	0 4 0	0 4 4	0 1 5 5 6	0 1 5 5 6
1 0 0	0 8 0	0 4 0	0 5 2	0 1 3 3 7	0 1 3 3 8
1 0 0	0 8 0	0 4 0	0 6 0	0 1 1 7 2	0 1 1 7 3
1 0 0	0 8 0	0 4 0	0 8 0	0 0 8 9 5	0 0 8 9 7
1 0 0	0 8 0	0 4 0	0 9 0	0 0 8 0 0	0 0 8 0 2
1 0 0	0 8 0	0 4 0	0 9 4	0 0 7 6 8	0 0 7 7 0
1 0 0	0 8 0	0 4 0	0 9 8	0 0 7 3 8	0 0 7 4 0
1 0 0	0 8 0	0 4 0	1 0 0	0 0 7 2 4	0 0 7 2 6

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ^*	I_r^*
1.00	0.80	0.60	0.06	1.0065	0.9935
1.00	0.80	0.60	0.10	0.7712	0.7652
1.00	0.80	0.60	0.20	0.4734	0.4718
1.00	0.80	0.60	0.40	0.2640	0.2638
1.00	0.80	0.60	0.52	0.2083	0.2084
1.00	0.80	0.60	0.56	0.1946	0.1948
1.00	0.80	0.60	0.60	0.1826	0.1828
1.00	0.80	0.60	0.64	0.1720	0.1722
1.00	0.80	0.60	0.68	0.1625	0.1627
1.00	0.80	0.60	0.72	0.1540	0.1543
1.00	0.80	0.60	0.80	0.1395	0.1397
1.00	0.80	0.60	0.90	0.1247	0.1250
1.00	0.80	0.60	0.94	0.1196	0.1199
1.00	0.80	0.60	0.98	0.1150	0.1153
1.00	0.80	0.60	1.00	0.1127	0.1131
1.00	0.80	0.80	0.06	1.3683	1.3507
1.00	0.80	0.80	0.10	1.0485	1.0403
1.00	0.80	0.80	0.20	0.6436	0.6414
1.00	0.80	0.80	0.40	0.3590	0.3587
1.00	0.80	0.80	0.60	0.2483	0.2485
1.00	0.80	0.80	0.68	0.2210	0.2213
1.00	0.80	0.80	0.72	0.2094	0.2098
1.00	0.80	0.80	0.76	0.1990	0.1994
1.00	0.80	0.80	0.80	0.1896	0.1900
1.00	0.80	0.80	0.84	0.1811	0.1814
1.00	0.80	0.80	0.88	0.1732	0.1736
1.00	0.80	0.80	0.90	0.1695	0.1700
1.00	0.80	0.80	0.94	0.1627	0.1631
1.00	0.80	0.80	0.98	0.1563	0.1567
1.00	0.80	0.80	1.00	0.1533	0.1538
1.00	0.80	0.90	0.06	1.5495	1.5296
1.00	0.80	0.90	0.10	1.1874	1.1781
1.00	0.80	0.90	0.20	0.7288	0.7263
1.00	0.80	0.90	0.40	0.4065	0.4062
1.00	0.80	0.90	0.60	0.2812	0.2814
1.00	0.80	0.90	0.80	0.2147	0.2152
1.00	0.80	0.90	0.84	0.2050	0.2055
1.00	0.80	0.90	0.88	0.1962	0.1966
1.00	0.80	0.90	0.90	0.1920	0.1925
1.00	0.80	0.90	0.92	0.1880	0.1885
1.00	0.80	0.90	0.94	0.1842	0.1847
1.00	0.80	0.90	0.96	0.1805	0.1810
1.00	0.80	0.90	0.98	0.1770	0.1775
1.00	0.80	0.90	1.00	0.1736	0.1741

TABLE 5 Intensities (Continued)

τ	λ	μ_0	μ	I_ℓ^*	I_r^*
1.00	0.80	0.94	0.06	1.6221	1.6011
1.00	0.80	0.94	0.10	1.2429	1.2332
1.00	0.80	0.94	0.20	0.7630	0.7603
1.00	0.80	0.94	0.40	0.4255	0.4253
1.00	0.80	0.94	0.60	0.2943	0.2946
1.00	0.80	0.94	0.80	0.2248	0.2252
1.00	0.80	0.94	0.84	0.2146	0.2151
1.00	0.80	0.94	0.88	0.2053	0.2058
1.00	0.80	0.94	0.90	0.2010	0.2015
1.00	0.80	0.94	0.92	0.1968	0.1973
1.00	0.80	0.94	0.94	0.1928	0.1933
1.00	0.80	0.94	0.96	0.1890	0.1895
1.00	0.80	0.94	0.98	0.1853	0.1858
1.00	0.80	0.94	1.00	0.1817	0.1823
1.00	0.80	0.98	0.06	1.6946	1.6727
1.00	0.80	0.98	0.10	1.2985	1.2883
1.00	0.80	0.98	0.20	0.7971	0.7943
1.00	0.80	0.98	0.40	0.4445	0.4443
1.00	0.80	0.98	0.60	0.3075	0.3078
1.00	0.80	0.98	0.80	0.2348	0.2353
1.00	0.80	0.98	0.84	0.2242	0.2247
1.00	0.80	0.98	0.88	0.2145	0.2150
1.00	0.80	0.98	0.90	0.2100	0.2105
1.00	0.80	0.98	0.92	0.2056	0.2062
1.00	0.80	0.98	0.94	0.2014	0.2020
1.00	0.80	0.98	0.96	0.1974	0.1980
1.00	0.80	0.98	0.98	0.1936	0.1941
1.00	0.80	0.98	1.00	0.1899	0.1904
1.00	0.80	1.00	0.06	1.7308	1.7085
1.00	0.80	1.00	0.10	1.3263	1.3159
1.00	0.80	1.00	0.20	0.8141	0.8113
1.00	0.80	1.00	0.40	0.4541	0.4538
1.00	0.80	1.00	0.60	0.3141	0.3143
1.00	0.80	1.00	0.80	0.2399	0.2403
1.00	0.80	1.00	0.84	0.2290	0.2295
1.00	0.80	1.00	0.88	0.2191	0.2196
1.00	0.80	1.00	0.90	0.2145	0.2150
1.00	0.80	1.00	0.92	0.2100	0.2106
1.00	0.80	1.00	0.94	0.2058	0.2063
1.00	0.80	1.00	0.96	0.2017	0.2022
1.00	0.80	1.00	0.98	0.1977	0.1983
1.00	0.80	1.00	1.00	0.1939	0.1945

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1 American Meteorological Society, Attn: Malcolm Rigby
1 Office of the Chief Signal Officer, Engineering and Technical Division, Attn: SIGGE-M

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1 Detachment Commander, Weather Detachment 18-19, APO #57, c/o Post Master, New York
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1 Commanding Officer, 2143rd AWW, APO #925, c/o Post Master, San Francisco
1 Commanding Officer, First Weather Group, Offutt Air Force Base
1 Commanding Officer, Eighth Weather Squadron, APO #862, c/o Post Master, New York
1 Commanding Officer, Fourth Weather Group, P.O. Box 1395, Baltimore
1 Commanding Officer, 2058th AWW, APO #633, c/o Post Master, New York
1 Commanding Officer, Second Weather Group, Langley Air Force Base
1 Commanding Officer, Seventh Weather Group, APO #942, c/o Post Master, Seattle
1 Commanding Officer, Sixth Weather Group, Wright-Patterson Air Force Base
1 Commanding Officer, Eighth Weather Group, Scott Air Force Base
1 Commanding Officer, Ninth Weather Group, Andrews Air Force Base
1 Commanding Officer, Evans Signal Laboratory, Belmar, New Jersey, Attn: Chief, Meteorological Branch
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1 Commanding Officer, Holloman Air Development Center, Holloman Air Force Base, Attn: EHOAM
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1 Chief of Naval Operations, Attn: Aerology
1 Office of Technical Services, Department of Commerce, Attn: Mrs. Dorothy Graff
1 Commanding General, Air Weather Service, U. S. Air Force, Washington, D. C., Attn: DSS, Technical Information Branch
1 Johns Hopkins University, Laboratory of Climatology, Seabrook, New Jersey, Attn: Department Head
1 Massachusetts Institute of Technology, Attn: Chairman, Department of Meteorology
2 Armed Services Technical Information Agency, Documents Services Center

1 National Advisory Committee for Aeronautics
1 U. S. Weather Bureau, 24 and M Streets, Washington 25, D. C., Attn: Dr. Ross Gunn
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1 University of Chicago, Attn: Department of Meteorology
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1 Air Weather Service, Andrews Air Force Base, Attn: Major General W. O. Senter
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1 Ohio State University, Attn: Department of Physics
1 University of Florida, Department of Electrical Engineering, Attn: Research Professor of Aerological Engineering
7 University of California at Los Angeles
  Department of Meteorology (6)
  Department of Physics, Attn: Dr. Joseph Kaplan (1)
1 University of Minnesota, Attn: Dr. Athelston Spilhaus
1 Harvard College Observatory, Attn: Dr. Fred L. Whipple
1 Director, Air University Library, Maxwell Air Force Base, Attn: CR/4582
1 State Water Survey Division, Urbana, Illinois, Attn: G. S. Stout, Meteorologist
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the second approximation is an adequate approximation. The following tables present the result of computation based on the second approximation only. They contain the intensities in the direction perpendicular and parallel to the vertical plane through the zenith and the sun (sun's vertical) for different zenith distances along this plane and for different zenith distances of the sun.

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Tables Relating to Rayleigh Scattering of Light in the Atmosphere (Numerical Solution of Chandrasekhar's Equations), by Zdenek Sekera, University of California, Los Angeles, and Edward V. Ashburn. China Lake, Calif., NOTS, 2 October 1953. (NAVORD Report 2061, NOTS 757.)

(Over)

NAVORD Report 2061

ABSTRACT. The theory of molecular scattering of light in a plane-parallel atmosphere, presented in the simplest form by Lord Rayleigh, was recently extended in an ingenious way by Chandrasekhar to cover the process of multiple scattering and the effect of the reflection from the ground.

The computation of the intensity and polarization of the sky radiation by this theory requires the solution of four pairs of non-linear integral equations, obtained in the general case by successive iteration. For small values of the optical thickness τ ($\tau \leq 0.10$),

(Contd. on Card 2)